```
//A11317  JOB  377,FYLES                                                    PETE


                    ****** [illegible] ***********************
                    *                                          *
                    *          JOB: A11317C                    *
                    *     PROJECT: 0277                        *
                    * PROGRAMMER: FYLES.C                      *
                    *        ROOM: IL7  -22BC     MS# 64       *
                    *   EXTENSION: 1441                        *
                    * HOME PHONE: 523-4878                    *
                    *                                          *
                    ********* ***************************

//          EXEC  SIMDATA
XX        PROC  NAME=                                                     00010000
XX        EXEC  PGM=MACFETCH,PARM='SIMD-TX,GNAME',TIME=5                  00020000
XXMACPAC  DD    DSNAME=SYS1.MACLXT,DISP=SHR                               00030000
XXSIMDATA DD    DSNAME=AGCSIM.A11317,VOL=SER=STCK02,UNIT=2314,DISP=SHR    00040000
XXSYSPRINT      DD  SYSOUT=A                                              00050000
XXSYSUDUMP      DD  SYSOUT=A                                              00060000
XXPUNCH DD      SYSOUT=B                                                  00070000
XXAGCSTAT       DD  DSN=AGCSIM.STATDATA,DISP=SHR                          00080000
//SYSIN DD *
BEGIN STEP  1: REGION=100K MAXTIME=   5.00 PGM=MACFETCH                                    03/19/70 00:32:01
IEF236I ALLOC. FOR A11317
IEF237I MACPAC   ON 347
IEF237I SIMDAT   ON 455
IEF237I SYSPRINT ON 246
IEF237I SYSUDUMP ON 246
IEF237I PUNCH    ON 346
IEF237I AGCSTAT  ON 234
IEF237I SYSIN    ON 456
```

```
R  C EATED ON 1/15/70 AT 2033 3:7                                                    S
        CHKFAIL1          MSG                                                        S
        ***********************************************************************      S
        ***********************************************************************      S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 0022C - IMU NOT ALIGNED - THERE IS NO REFSMMAT                 S
        L                 EQ       00220                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00401 - DESIRED GIMBAL ANGLE YIELDS GIMBAL-LOCK                S
        L                 EQ       00401                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00402 - FINEDOLW NOT CONTROLLING ATTITUDE                      S
        L                 EQ       00402                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00404 - TWO STARS NOT AVAILABLE IN ANY DETENT                  S
        L                 EQ       00404                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00405 - TWO STARS NOT AVAILABLE                                S
        L                 EQ       00405                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00511 -                                                        S
        L                 EQ       00511                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00520 -  ADAP FLPT NOT EXPECTED AT THIS TIME                   S
        L                 EQ       00520                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00523 - LANDING RADAR ANTENNA DID NOT ACHIEVE POSITION TWCS    S
        L                 EQ       00523                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 00555 - MAXIMUM GUIDANCE PERIOD EXCEEDED                       S
        L                 EQ       00555                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 31201 - EXECUTIVE OVERFLOW - NO VAC AREAS                      S
        L                 EQ       31201                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 31202 - EXECUTIVE OVERFLOW - NO CORE SETS                      S
        L                 EQ       31202                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 31210 - TWO PROGRAMS USING DEVICE AT SAME TIME                 S
        L                 EQ       31210                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01301 - ARCSIN OR ARCCOS CALLED WITH TOO LARGE AN ARGUMENTS    S
        L                 EQ       01301                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01302 - SQRT CALLED WITH A NEGATIVE ARGUMENT                   S
        L                 EQ       01302                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01406 - LATPSRS FAILING TO CONVERGE ON TIME-TO-GO              S
        L                 EQ       01406                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01407 - VG INCREASING                                          S
        L                 EQ       01407                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01410 - UNPLANNED OVERFLOW IN ASCENT OR DESCENT GUIDANCE       S
        L                 EQ       01410                                             S
        CHKFAIL1          MSG      1                          CONDITIONAL           S
        AGC ALARMED - 01411 - LANDING IGNITION ALGORITHM IS NOT CONVERGING           S
```

```
L                EQ      01412                                          S
CHKFAIL          MSG     1                                 CONDITIONAL  S
ACC ALARMED - 01412 - THROTTLE SERVICING INSUFFICIENT IN P66             S
L                EQ      01466                                          S
CHKFAIL          MSG                                       CONDITIONAL  S
ACC ALARMED - 01703 - MIDWAVE MUST SLIP IGNITION                         S
L                EQ      01703                                          S
CHKFAIL          MSG     1                                 CONDITIONAL  S
ACC ALARMED - 32000 - EAP STILL IN PROGRESS AT NEXT TSHUPT               S
L                EQ      32000                                          S
CHKFAIL          MSG                                                    S
*** ***************************************************************** S
*** ***************************************************************** S
```

*** LALARM *** HAS BEEN REPLACED

```
IEF237I   SYS1.MACLXT                                  KEPT
IEF237I   VOL SER NOS= SYSLI2.
IEF237I   AGCSIM.ABRT                                  KEPT
IEF237I   VOL SER NOS= STCR02.
IEF237I   SYS70078.T002648.SVC99.A113170.R0000001      SYSOUT
IEF237I   VOL SER NOS= SYSIC2.
IEF237I   SYS70078.T002648.SVC99.A113170.R0000002      SYSOUT
IEF237I   VOL SER NOS= SYSIC2.
IEF237I   SYS70078.T002648.SVC99.A113170.R0000003      SYSOUT
IEF237I   VOL SER NOS= SYSIC2.
IEF237I   AGCSIM.STATDATA                              KEPT
IEF237I   VOL SER NOS= STCR02.
IEF237I   SYS70078.T002648.RVJOB.A113170.S0000004      SYSIN
IEF237I   VOL SER NOS= SYSIC2.
IEF237I   SYS70078.T002648.RVJOB.A113170.S0000004      DELETED
IEF237I   VOL SER NOS= SYSIC2.
END STEP  1: A113170                SYSTEM CODE=000,USER CODE=0000          STEP TIME:   0.040 MIN   03/19/70 00:32:11


//     EXEC SIMDATA
XX        EXEC  NAME=                                          0001C000
XX        EXEC  PGM=MACFETCH,PARM='SIMDATX,&NAME',TIME=5       00020000
XXMACLIBC DD    DSNAME=SYS1.MACLXT,DISP=SHR                    00030000
XXSIMDAT  DD    DSNAME=AGCSIM.STATA,VOL=SER=STCR02,UNIT=2314,DISP=SHR  00040000
XXSYSPRINT      DD  SYSOUT=A                                   00050000
XXSYSDUMP       DD  SYSOUT=A                                   00060000
XXPUNCHOD       DD  SYSOUT=B                                   00070000
XXAGCSTAT       DD  DSN=AGCSIM.STATDATA,DISP=SHR               00080000
//SYSIN DD *

BEGIN STEP  2: RECION=100K MAXTIME=   5.000 PGM=MACFETCH                                    03/19/70 00:32:12
IEF236I ALLOC. FOR A113170
IEF237I MACLIBC   ON 347
IEF237I SIMDAT    ON 455
IEF237I SYSPRINT  ON 346
IEF237I SYSDUMP   ON 346
IEF237I PUNCHOD   ON 236
IEF237I AGCSTAT   ON 234
IEF237I SYSIN     ON 456
```

```
R  CREATED [illegible] /19/72 AT 00:32:[illegible]                                  S
R                                                                                   S
R       LEM IMU COMPENSATION PARAMETERS                                             S
R                                                                                   S
        PIPAX       OCT     [illegible]5503     .002 CM/SEC                         S
        PIPAY       OCT     72374               -2.2 CM/SEC                         S
        PIPAZ       OCT     01217               0.5 CM/SEC                          S
        PIPASCFX    OCT     10142               5///MILLION                         S
        PIPASCFY    OCT     67635               -500 /MILLION                       S
        PIPASCFZ    OCT     37746               1950 /MILLION                       S
        MELX        OCT     02371               10 MERU                             S
        MELY        OCT     75400               -10  MERU                           S
        MELZ        OCT     17737               44  MERU                            S
        ALIAX       OCT     [illegible]6[illegible]6    15 MERU/G                   S
        ALIAY       OCT     01212               30 M RU/G                           S
        ALIAZ       OCT     14126               220 MERU/G                          S
        ALSIAX      OCT     [illegible]0[illegible]0    15 MERU/G                   S
        ALSIAY      OCT     12326               220MERU/G                           S
        ALSIAZ      OCT     77171               -15 MERU/G                          S
        GCOMPSW     DEC     0                                                       S
        GCOMP  +0   2DEC    0                                                       S
        GCOMP  +2   2DEC    0                                                       S
        GCOMP  +4   2DEC                                                            S
R                                                                                   S
R       RENDEZVOUS AND LUNAR SURFACE NAVIGATION INITIALIZATION                      S
R                                                                                   S
        WREDPOS     OCT     [illegible]575C                                         S
        WREDVEL     OCT     00763                                                   S
        WSURFPOS    OCT     [illegible]764                                          S
        WSURFVEL    OCT     0[illegible]372                                         S
        WSHAFT      OCT     17270                                                   S
        WTRUN       OCT     17270                                                   S
        TMAX        OCT     [illegible]122                                          S
        WMAX        OCT     [illegible]601                                          S
        SHAFTVAR    DEC     [illegible]E-6 B12                                      S
        TRUNVAR     DEC     [illegible]E-6 B12                                      S
        TVARMIN     DEC     [illegible]60 E-12                                      S
        VVARMIN     DEC     .17445 E-[illegible] B12                                S
        RANGEVAR    2DEC*   .11111111 E-4 B12*                                      S
        RATEVAR     2DEC*   1.[illegible]77777 E-5 B12*                             S
        X7[illegible]       2DEC    0                                               S
        X7[illegible] +     2DEC    [illegible]                                     S
        X7[illegible] +4    2DEC    0                                               S
R                                                                                   S
R       FALLONS FOR THE [illegible]2 LUNAR GRAVITATIONAL POTENTIAL MODEL            S
R                                                                                   S
        F J[illegible]2M    OCT     1[illegible]16C                                 S
        F[illegible]20[illegible]1KM    OCT     [illegible]63                       S
R                                                                                   S
R       MISCELLANEOUS INITIALIZATION                                                S
R                                                                                   S
        ATICINC     2DEC    1[illegible]                                            S
        PTICINC     2DEC    1[illegible].00                                         S
        ABSK        OCT     [illegible]71                                           S
        ACSK  +1    OCT     [illegible]                                             S
        TNEWA       OCT     [illegible]                                             S
        TN WA    +1 OCT     17[illegible]                                           S
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        SEC TIME          OCT      [illegible]6CC                                  S
R                                                                                  S
R       AUTOPILOT INITIALIZATION                                                   S
R                                                                                  S
        FCLLTIME          OCT      [illegible]5556                                 S
        FITTIME           OCT      [illegible]4231                                 S
        FESTORKP          2DEC     [illegible]                                     S
        FESTORKU          2DEC     [illegible]                                     S
        FCSTCRKV          2DEC     0                                               S
R                                                                                  S
R       APCIT INITIALIZATION                                                       S
R                                                                                  S
        THETCMIT          OCT      [illegible]0540                                 S
        THETCMIT +1       OCT          05411                                       S
        RAMIN             OCT      [illegible]5325                                 S
        RAMIN    +1       OCT          16761                                       S
        J1PARM            OCT      7007                                            S
        J1PARM   +1       OCT          11721                                       S
        K1PARM            OCT      [illegible]                                     S
        K1PARM   +1       OCT          47324                                       S
        J2PARM            OCT      07141                                           S
        J2PARM   +1       OCT          12264                                       S
        K2PARM            OCT      [illegible]                                     S
        K2PARM   +1       OCT          41017                                       S
        ALTRCT            OCT      [illegible]                                     S
        ABT DCT  +1       OCT          [illegible]46                               S
        YLIM              OCT      [illegible]                                     S
        YLIM     +1       OCT          32446                                       S
        COSTHETJ + [illegible]  2D   [illegible] E+00B-02  [illegible]+000         S
        COSTHETJ + [illegible]  D    8[illegible]E-C1B-02  8.66C254037-001         S
R                                                                                  S
R       P12 INITIALIZATION                                                         S
R                                                                                  S
        TCNALSC           OCT      02162                                           S
        IGNTISR           OCT      [illegible]163                                  S
R                                                                                  S
R       ALIGNMENT OPTICAL TELESCOPE DETENT PAOLOADS                                S
R                                                                                  S
        ACTAZ             OCT      65252                                           S
        ACTAZ +1          OCT      [illegible]                                     S
        ACTAZ +2          OCT      1[illegible]525                                 S
        ACTAZ +3          OCT      [illegible]                                     S
        ACTAZ +4          OCT      4[illegible]                                    S
        ACTAZ +5          OCT      52525                                           S
        ACTEL             OCT      10000                                           S
        ACTEL +1          OCT      10000                                           S
        ACTEL +2          OCT      1[illegible]C                                   S
        ACTEL +3          OCT      10[illegible]                                   S
        ACTEL +4          OCT      10000                                           S
        ACTEL +5          OCT      10000                                           S
R                                                                                  S
R       LANDING RADAR PAOLOADS                                                     S
R                                                                                  S
        LRALPHA  +[illegible]  2D   [illegible]6666 E-02E+01  6.[illegible]+000  DEG  S
        LRALPHA1 +[illegible]  2D   [illegible]6666667 E-02E+01  2.4[illegible]+001  DEG  S
        LRALPHA2 +[illegible]  2D   1.[illegible]6666 E-02E+01  [illegible]+000  DEG  S
        LRBETA   +[illegible]  2D   [illegible] E+00B+01  0.000000000+000  DEG  S
```

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        LRWX     + [illegible]  2D  [illegible] E-01B+00  [illegible]-001                S
        LRWXX    + [illegible]  1D  1.[illegible] E+04B-14  5.000000000+004  FT           S
        LRWXXX   + [illegible]  1D  [illegible] E+00B-07  2.000000000+003  FT/SEC       S
        LRWF     + 0            1D  6.0960000 E-01B-07  2.000000000+002  FT/SEC       S
        LRWVZ    + [illegible]  1D  [illegible] E-01B+00  3.000000000-001               S
        LRWVY    + [illegible]  1D  [illegible] E-01B+00  3.000000000-001               S
        LRWVX    + 0            1D  2.0000000 E-01B+00  3.000000000-001               S
        LRWVFZ   + 0            1D  2.0000000 E-01B+00  2.000000000-001               S
        LRWVFY   + 0            1D  2.0000000 E-01B+00  2.000000000-001               S
        LRWVFX   + 0            1D  2.0000000 E-01B+00  2.000000000-001               S
        LRWVRF   +              1D  1.0000000 E-01B+00  1.000000000-001               S
        RPCRTIME                DEC     6200 B-17                                     S
        RPCRTOSW                DEC     -.5                                           S
        DELSFIX                 OCT     00000                                         S
        DELSFIX  +1             OCT             01717                                 S
        RACSKAL                 2DEC    0                                             S
        SKALSKAL                DEC     1                                             S
R                                                                                     S
R       RALLOALS FOR NOUN 65                                                          S
R                                                                                     S
        DLAND    + 0            2D  0.0000000 E+00B-24  0.000000000+000  FT           S
        DLAND    + 2            2D  0.0000000 E+00B-24  0.000000000+000  FT           S
        DLAND    + 4            2D  0.0000000 E+00B-24  0.000000000+000  FT           S
R                                                                                     S
R       IGNITION ALGORITHM RALLOALS (P63)                                             S
R                                                                                     S
        VIGM                    OCT     [illegible]416                                S
        VIGM     +1             OCT             26714                                 S
        RIGMX                   OCT     77731                                         S
        RIGMX    +1             OCT             44630                                 S
        RIGMZ                   OCT     77127                                         S
        RIGMZ    +1             OCT             55622                                 S
        RIGMX/R4                OCT     76607                                         S
        RIGMX/R4 +1             OCT             61356                                 S
        RIGMY/R4                OCT     7[illegible]                                  S
        RIGMY/R4 +1             OCT             51602                                 S
        RIGMV/R4                OCT     72775                                         S
        RIGMV/R4 +1             OCT             57777                                 S
R                                                                                     S
R       LUNAR LANDING TARGET RARAMETERS                                               S
R                                                                                     S
        RLTRG                   OCT     37777                                         S
        RPRRG    +1             OCT             41001                                 S
        RLTRG    +2             2DEC    [illegible]                                   S
        RP-RG    +4             OCT     37772                                         S
        RERRG    +5             OCT             74320                                 S
        VERRG                   OCT     77766                                         S
        VERRG    +1             OCT             62640                                 S
        VERRG    +2             2DEC    [illegible]                                   S
        VELRG    +4             OCT     37774                                         S
        VELRG    +5             OCT             64173                                 S
        ALRRG                   OCT     77776                                         S
        ALRRG    +1             OCT             64147                                 S
        ALRRG    +2             2DEC    [illegible]                                   S
        ARRRG    +4             OCT     77662                                         S
        ALRRG    +5             OCT             45446                                 S
        VERRG#                  OCT     77770                                         S
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        VAPFG   +1      OCT             [illegible]                     S
        AAPFG           OCT     77771                                   S
        AAPFG   +1      OCT             41354                           S
        JEPFG           OCT     77544                                   S
        JEPFG   +1      OCT             53646                           S
        GAINBAR         OCT      7777                                   S
        TCGFBAR         OCT      1015                                   S
        TCLTBAR         OCT      0001                                   S
        PAPFS           OCT     [illegible]                             S
        PAPFS   +1      OCT             CC624                           S
        PAPFS   +2      2DEC                                            S
        PAPFS   +4      OCT     77777                                   S
        PAPFC   +5      OCT             77635                           S
        VAPFS           OCT     77777                                   S
        VAPFS   +1      OCT             77400                           S
        VAPFC   +2      2DEC    [illegible]                             S
        VAPFS   +4      OCT      000                                    S
        VAPFG   +5      OCT             CC372                           S
        AAPFG           OCT     [illegible]002                          S
        AAPFG   +1      OCT             14522                           S
        AAPFG   +2      2DEC    [illegible]                             S
        AAPFG   +4      OCT     77774                                   S
        AAPFG   +5      OCT             71233                           S
        VAPFG*          OCT     [illegible]C                            S
        VAPFG*  +1      OCT             71062                           S
        AAPFG4          OCT     77754                                   S
        AAPFGX  +1      OCT             67646                           S
        JAPFG*          OCT     [illegible]612                          S
        JAPFG*  +1      OCT             30716                           S
        [illegible]INAPPR       OCT     [illegible]                     S
        TCGFAPPR        OCT     [illegible]113                          S
        TCLTAPPR        OCT     [illegible]231                          S
        TCNTBRAK        DEC     [illegible] B-17                        S
        TLNDAPPR        DEC     1200 B-17                               S
        LDLTTBAR        DEC     -6500 B-17                              S
        LPDTINP         DEC     -72[illegible] B-17                     S
R                                                                       S
R       THROTTLE ROUTINE PARLCALS                                       S
R                                                                       S
        LOWCRIT         DEC     [illegible]124                          S
        HIGHCRIT        DEC     [illegible]347                          S
R                                                                       S
R       F85 INITIALIZATION                                              S
R                                                                       S
        TALVRT          2DEC    1000 B-14                               S
        VZFG            2DEC    -0.005144 B-10                          S
        VZFG    +       DEC     0                                       S
        VZF     +4      2DEC                                            S
R                                                                       S
R       PFC INITIALIZATION                                              S
R                                                                       S
        RCSCALE + 0     10      [illegible]04ECCCCC E-03F+07  1.03CCCCCCC+000  FT/SEC   S
        TAU CD  +       L       1.51[illegible] E+028-09  1.5000000000+00[illegible]  SEC   S
        L[illegible]/TAU  +     2[illegible] 4.1[illegible] 3[illegible]CC B-01.0+00  4.133330000-001   S
        MINPFCC         OCT     [illegible]                             S
        MINPFCCE +1     OCT             27531                           S
        MAXPFCC         OCT     [illegible]0013                         S
```

MAX +1 CT C6551 S

*** PACS12 HAS BEEN CREATED

```
IEF285I   SYS1.MACEXT                                    KEPT
IEF285I   VOL SER NOS= SYS1IE.
IEF285I   AGCSIM.AMATA                                   KEPT
IEF285I   VOL SER NOS= STOR02.
IEF285I   SYS7C078.T002640.SV00.A113170.R0000005         SYSOUT
IEF285I   VOL SER NOS= SYS102.
IEF285I   SYS7C078.T002640.SV00.A113170.R0000006         SYSOUT
IEF285I   VOL SER NOS= SYS102.
IEF285I   SYS7C078.T002640.SV00.A113170.R0000007         SYSOUT
IEF285I   VOL SER NOS= SYS102.
IEF285I   AGCSIM.STATDATA                                KEPT
IEF285I   VOL SER NOS= STOR02.
IEF285I   SYS7C078.T002640.RV00.A113170.S0000008         SYSIN
IEF285I   VOL SER NOS= SYS102.
IEF285I   SYS7C078.T002640.SV00.A113170.S0000009         DELETED
IEF285I   VOL SER NOS= SYS102.
END STEP  2: A113170                    SYSTEM CODE=000,USER CODE=0000          STEP TIME:   0.042 MIN   03/19/70 00:32:28


//     EXEC MACSIM,TIME=150
XXF       EXEC PGM=MACFETCH,REGION=392K,TIME=120,PARM=MACSUPER          00010000
XXMACPAC     DD DSNAME=SYS1.MACPAC,DISP=SHR                             00020000
XX           DD DSNAME=SYS1.MACLIX1,DISP=SHR                            00030000
XXSYSPRINT   DD SYSOUT=A                                                00040000
XXSYSDUMP    DD SYSOUT=A,SPACE=(TRK,(1,50),RLSE)                        00050000
XXSYSPLACE   DD DUMMY                                                   00060000
XXADF        DD DSNAME=SYS1.SIMADF,DISP=SHR                             00070000
XXAFF1       DD DSNAME=SYS1.SIMALF1,DISP=SHR                            00080000
XXPBF        DD UNIT=2301,SPACE=(CYL,(2,2))                             00090000
XXEXTCIP     DD DSNAME=SYS1.MACEXT,DISP=SHR                             00100000
XXSIMDAT     DD DSNAME=AGCSIM.AMATA,UNIT=2314,VOL=SER=STOR02,DISP=SHR   00110000
XXMACC1A     DD UNIT=2314,VOL=SER=MCP001,DISP=OLD                       00120000
XXMACC1B     DD UNIT=2314,VOL=SER=MCP002,DISP=OLD                       00130000
XXMACC1D     DD UNIT=2314,VOL=SER=MCP004,DISP=OLD                       00140000
XXMACC1E     DD UNIT=2314,VOL=SER=MCP005,DISP=OLD                       00150000
XXMACC2F     DD UNIT=2314,VOL=SER=MCP006,DISP=OLD                       00160000
XXMACSTAT    DD UNIT=2314,VOL=SER=MCP007,DISP=OLD                       00170000
XXSYSPLOT    DD UNIT=2314,VOL=SER=SYSIC3,DISP=(OLD,DELETE)              00180000
XXCATLG      DD DSNAME=SYSPLOT.CATLG,DISP=SHR                           00190000
XXDISKSYM    DD UNIT=2301,SPACE=(CYL,(1,1))                             00200000
XXSIMBINXX   DD UNIT=2301,SPACE=(CYL,(1,1))                             00210000
XXSIMDISK1   DD UNIT=2314,VOL=SER=ACCEC2,DISP=SHR                       00220000
XXROLLBACK   DD UNIT=SYSDA,SPACE=(CYL,(2,1,4))                          00230000
XXMACSL100   DD UNIT=SYSDA,SPACE=(CYL,(2,1,4))                          00240000
XXTAPEDIR1   DD DSNAME=TAPDIR1,DISP=SHR                                 00250000
XXTAPEDIR2   DD DSNAME=TAPDIR2,DISP=SHR                                 00260000
XXMABS01     DD UNIT=(TAPE,,DEFER),LABEL=(,SL),DISP=(NEW,KEEP)          00270000
XXFADEFFDS   DD DSNAME=RADEFF,UNIT=2314,VOL=SER=STCR02,DISP=SHR         00280000
XXSIMINPUT   DD UNIT=SYSDA,SPACE=(TRK,(10,2))                           00290000
XXAGCSTAT    DD DSN=AGCSIM.STATDATA,DISP=SHR                            00300000
//SYSIN DD *

BEGIN STEP  1: REGION=392K MAXTIME= 150.000 PGM=MACFETCH                                  03/19/70 00:32:29
IEF236I ALLOC. FOR A113170  R
IEF237I MACPAC   ON 247
IEF237I          ON 247
IEF237I SYSPRINT ON 236
IEF237I SYSDUMP  ON 236
IEF237I ALF      ON 457
```

```
IEF237I ALF1      ON 234
IEF237I PEF       ON 100
IEF237I EXTLIB    ON 347
IEF237I SIMSTAT   ON 455
IEF237I MACLIA    ON 342
IEF237I MACLIB    ON 344
IEF237I MACLIC    ON 340
IEF237I MACLIE    ON 343
IEF237I MACLIF    ON 235
IEF237I MACSTAT   ON 235
IEF237I SYSPLOT   ON 436
IEF237I CATLG     ON 234
IEF237I DISKSYMB  ON 100
IEF237I SIMLINXX  ON 100
IEF237I SIMDISKF  ON 454
IEF237I ROLLBACK  ON 456
IEF237I MACLIBD   ON 456
IEF237I TAPELIB1  ON 341
IEF237I TAPELIB2  ON 347
IEF237I MAC001    ON 002
IEF237I ROLLFILS  ON 455
IEF237I SIMTNPLT  ON 456
IEF237I ACCSTAT   ON 234
IEF237I SYSIN     ON 456
```

* SNAP SHOT

```
*       COLLECT ENVCNTRL
*       FCR LVCPLK2 USE NOPROC
*       FCR CSMPLK2 USE NOPROC
*       FCR SATURN USE NOPROC
*       FCR ATTITUDE USE NOPROG
*       FCR DISCONT USE NOPROG
*       FCR LMP1 USE NOPROG
*       FCR OPTICSB2 USE NOPROG
*       FCR TARGET USE NOPROG
*       FCR ASTRNAUT USE CAST
*       FCR UNIVERSE USE LCR7V.UNIVERSE
*       FCR RADAR USE LEM.RADAR
*       FCR PAPER.MOON USE LUNAR.TERRAIN
*       LCAL FILE JPLUNIV.EPHM 7C
*       LCAL FILE APOLLOJ2.SITE7 CC
*       LCAL FILE LEM6.NOMINAL
*       MAXLINES 25000
*       SIMULATE ACC
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.COMMON.ENVCNTRL

MAC PROGRAM ALIASES IN EFFECT:

FCR	USED
COMMON.LVCBLK2	COMMON.NOPROG
COMMON.CSMBLK2	COMMON.NOPROG
COMMON.SATLON	COMMON.NOPROG
COMMON.ATTITUDE	COMMON.NOPROG
COMMON.DISCONT	COMMON.NOPROG
COMMON.EMP1	COMMON.NOPROG
COMMON.OPTICSB2	COMMON.NOPROG
COMMON.TARGET	COMMON.NOPROG
COMMON.ASTRONAUT	COMMON.CAST
COMMON.UNIVERSE	LOGAV.UNIVERSE
COMMON.RADAR	LEM.RADAR
PAPER.MOON	LUNAR.TERRAIN

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	COMMON.ENVCNTRL	ENTER MACEXIT MACABORT	02DF36+AC8	02/09/70	17:28	MCP001
2	COMMON.NOPROG		**UNRESOLVED**			
3	COMMON.CAST	ASTSTART	02F568+F88	01/28/70	10:11	MCP002
4	COMMON.LEM	VI	0317AE+918	01/30/70	19:50	MCP002
5	COMMON.PRELUNCH	PLSTART	0357FC+290	04/30/69	15:11	MCP001
6	LOGAV.UNIVERSE	MP1	036520+42F	08/19/69	16:11	MCP001
7	LEM.RADAR	BEGIN	037C5C+65C	02/27/70	19:07	MCP001
8	COMMON.EDIT1		**UNRESOLVED**			
9	COMMON.EDIT2		**UNRESOLVED**			
10	COMMON.EDIT3		**UNRESOLVED**			
11	COMMON.EDIT4		**UNRESOLVED**			
12	COMMON.EDIT5		**UNRESOLVED**			

```
13   LOGSTATEFAIN      LT1        03903E+10C  10/15/69  16:29      MCP001

14   COMMON.INFLTPRG   INFSTART   039BC+268   12/16/69  14:27      MCP001

15   COMMON.IRCHLK2    ISTART     03A01F+538  03/06/70   0:03      MCP001
                       ROLLINIT

NOTIMC PROG  MS COLLECTED:

  #        NAME        SIZE

  1      COMMXXXX   122032  RESIDENT
  2      LEAVTMSG      396
  3      EDITIC       1544
  4      FADEFFCY     1344
  5      COMLK2       4360  RESIDENT

COMMON AREA ALLOCATION:

  #     NAME       BASE ADDR

  1  COMMBLK      03B780
  2  #TEMPAC      03B878
  3  CALLFILE     03C878
  4  MSCEDIT      03D048
  5  SWITCHES     03D920
  6  CRTFILE      03D 48
  7  LEMPSEL      03D990
  8  COL          03DBEF

  TOTAL NUMBER OF BLKS COLLECTED:  203

DATA FILE ACTIVATED, SIZE IS LARGE


DATA FILE COLLECTION LOG

  MACDATA.JPLCNTV.EFFM657C     04/30/69   17:09
          RECEIVED DATA FILE BLOCK  1175 STORED AS ACTIVE FILE BLOCK  1175
                                    1176                              1176
                                    1177                              1177
                                    1178                              1178
                                    1179                              1179
                                    1180                              1180
                                    1181                              1181
                                    1182                              1182
                                    1183                              1183
                                    1184                              1184
```

```
                                        1185                                1185
                                        1186                                1186
                                        1187                                1187
                                        1188                                1188
                                        1189                                1189
                                        1190                                1190
                                        1191                                1191
                                        1192                                1192
                                        1193                                1193
                                        1194                                1194
                                        1195                                1195
                                        1196                                1196
                                        1197                                1197

MACLIBTA.APLLLL12.SITE7000   10/15/69   16:28
        RETRIEVED DATA FILE BLOCK  1132 STORED AS ACTIVE FILE BLOCK  1132
                                        1133                                1133
                                        1134                                1134

MACDATA.LEMS.NOMINAL         10/31/69   17:18
        RETRIEVED DATA FILE BLOCK  1156 STORED AS ACTIVE FILE BLOCK  1156
                                        1157                                1157
                                        1158                                1158
                                        1159                                1159
                                        1160                                1160


  3 MAC PROGRAM BLOCKS WERE LOADED.

 SPACE WAS ALLOCATED FOR   2 DATA BLOCKS.

 THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE  RELEASED FOR NONMAC PROGRAMS: 13512E  (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   8965.60 SECONDS
```

ENVI [illegible] MEGA INITIALIZATION AT 211.2486 SEC. REAL TIME

A G C SIMULATION
COMMUNICATO AS2
SIMULATER P 1

COMPUTER: ACC

PROGRAM TITLE: [illegible]

REVISN 116

ALTECK: NASA [illegible] 112- 71

MAN CT # [illegible] 780 324

SPECIAL FLGLESTS

CARD	LOCATION	OP	ADDRESS 1	ADDRESS 2				ID	REQ CLAS
	START	START	3 7133.42			022447			1
		PLOT	ACTIVITY					0256	1
		PLOT	LDTYCYCLE					0257	1
		ONPRINT	CLOCK						1
		TELEM	3						1
		TEMPCHK							1
		BACKGRND	12345				12345		1
		SNAP	50						1
		RESUMENA							1
		PTLOCK	25						1
	ALV	ADVAN		CONDITIONAL		013215		0258	3
	NEWJOB	EQ	77777						
	VERF69	STOP				116037		0259	3
	CEUZ	OCT				000034	00000	0260	2
	FLAGWRD	OCT	10000			000077	10000	0261	2
	FLAGWRD	OCT	06000			000104	06000	0262	2
	FLGWRD	OCT	00000			000106	00000	0263	2
R		INSERT	H12PLI						
R	++++++

```
        VC  TL"  +4      2L + [illegible]4321 E+ 08-05  LC                  +9.30284331 E+ 2  CC1640  11233  01622  0279   2
        [illegible]      2D -1.[illegible]7[illegible]991 E+ 68-27 -                -1.79576991 E+ 6  001636  77444  71213  0280   2
        TCVCSN   +2      2C -1.[illegible]274375 E+ 58-27 R                -1.08274375 E+ 5  001610  77762  71032  0281   2
        VCVCSN   +4      2L -4.[illegible]5431176 E+ 58-27  CCCN          -4.25431176 E+ 5  001612  77714  42121  0282   2
        VCVCSN           2D -2.7 473672 E+ 08-05 -                -2.78473672 E+ 2  CC1614  75156  46676  0283   2
        VCVCSN   +2      2D +1.[illegible]9760 E+ 18-05 V                  +1.35509760 E+ 3  001616  15432  03142  0284   2
        VCVCSN   +4      2L + .[illegible]765 E+ 08-05  CCUN               +8.57613765 E+ 2  CC1620  10446  37341  0285   2
        EFECTCSN         2D -1.79576991 E+ 68-27 -                -1.79576991 E+ 6  001554  77444  71213  0286   2
        EFECTCSN +2      2D -1.08274375 E+ 58-27 R                -1.08274375 E+ 5  001556  77762  71032  0287   2
        EFECTCSN +4      2L -4.[illegible]5431176 E+ 58-27  CO             -4.25431176 E+ 5  001560  77714  42121  0288   2
        VRECTCSN         2D -2.7 473672 E+ 08-05 -                -2.78473672 E+ 2  CC1562  75156  46676  0289   2
        VRECTCSN +2      2D +1.[illegible]0576C E+ 18-05 V                  +1.35509750 E+ 3  001564  15432  03142  0290   2
        VRECTCSN +4      2L +8.57613765 E+ 08-05  CC                       +8.57613765 E+ 2  001566  10446  37341  0291   2
        REFSMMAT         2D -0.4[illegible]5[illegible]568                -  -8.75987137 E- 1  001733  61727  44515  0292   2
        REFSMMAT +2      2D +0.2278[illegible]8272                REFSMMAT  +4.55616545 E- 1  001735  07224  15111  0293   2
        REFSMMAT +4      2D +[illegible]7149464                   )        +1.34298929 E- 1  001737  02114  05521  0294   2
        REFSMMAT +6      2D -0.[illegible]240757                  -        -1.00481514 E- 1  001741  75335  52567  0295   2
WARNING REFSMMAT +12     2D -0.27564490[illegible]                REFSMMAT  -5.51269807 E- 1  001743  67133  72536  0296   2
WARNING REFSMMAT +12     2D +0.4[illegible]66960                  3        +8.16733520 E- 1  001745  15063  02137  0297   2
WARNING REFSMMAT +14     2D +0.22[illegible]3175                  -        +4.47066350 E- 1  001747  07116  13606  0298   2
WARNING REFSMMAT +16     2D +0.34964[illegible]1411               REFSMMAT  +6.58922822 E- 1  001751  13135  22331  0299   2
WARNING REFSMMAT +20     2D +0.2751[illegible]9E6                 6        +5.58245972 E- 1  001753  10735  04652  0300   2
R
R                        END      HI2PLI
R        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
R                        INSERT   ALPHEM
R        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
R  CREATED ON [illegible]/22/6[illegible] AT 15:2[illegible] BY DAVY MOORE
R
         TEPHEM          2D + 4                   T   (EPOCH          +1.18093199 E+ 7  001706  00004            0301   2
         TEPHEM   +1     2L + 1.71[illegible]176                  (1   SECS U.T.)                 CC1707  14616  13640  0302   2
         SC4LM            2D -0.[illegible]02746[illegible]9       -                -2.74669079 E- 4  002012  77773  57774  0303   2
         SC4LM    +2      2D -0.000482105          L                -4.82105126 E- 4  002014  77770  43171  0304   2
         SC4LM    +4      2L -[illegible]67661     TIPRATICN        -2.67661267 E- 4  002016  77773  63525  0305   2
         AZL              2DEC     .7746616521                                       001711  30624  01636  0306   2
         -AYM             3DEC     -.000[illegible]355943                            001713  77777  53172  0307   2
         AXL              2DEC     .6[illegible]00421325                             001715  00000  26056  0308   2
         ELS              2D +1.5[illegible]50443 E+ 68-27 -                +1.59050443 E+ 6  002022  00302  04721  0309   2
         ELS      +2      2D -6.8[illegible]3002[illegible]1 E+ 58-27 R             -6.8[illegible]00251 E+ 5  002024  77653  71666  0310   2
         ELS      +4      2L -[illegible]1099838 E+ 48-27  LS               -8.91099838 E+ 4  002026  77765  43723  0311   2
         TLAND            2L + [illegible]6158[illegible]5         TLAND    +3.58158151 E+ 5  002400  04576  05207  0312   2
R
R                        END      HEPHEM
R        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
R                        INSERT   PTLS12
R        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
R  CREATED ON [illegible]/1[illegible]/7[illegible] AT [illegible]
R
R        LGC IMU COMPENSATICN PARAMETERS
R
         PBIASX           OCT      05503                    2.2 CM/SEC       001452  05503            0313   2
         PBIASY           OCT      72274                    -2.[illegible] CM/SEC  001454  72274            0314   2
         PBIASZ           OCT      01217                    0.5 CM/SEC       001456  01217            0315   2
         PIPASCFX         OCT      10142                    5777/MILLICN     001453  10142            0316   2
         PIPASCFY         OCT      67635                    -500 /MILLICN    001455  67635            0317   2
         PIPASCFZ         OCT      37746                    1950 /MILLICN    001457  37746            0318   2
         NDX              OCT      02371                    IC MERC          001460  02371            0319   2
```

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        NUMY        OCT   75406        -10  MERU     001461  75406          0320          2
        MEL2        OCT   12737        44  MERL      001462  12737          0321          2
        ZLIAX       OCT   00606        15 MERU/G     001463  00606          0322          2
        ALIAY       OCT   01212        30 M RU/G     001464  01212          0323          2
        ALIAZ       OCT   13126        22C MERL/G    001465  13126          0324          2
        ZLSPAX      OCT   00606        15 MERU/G     001466  00606          0325          2
        ZLSPAY      OCT   13126        22CMERL/G     001467  13126          0326          2
        ALSPAZ      OCT   77171        -15 MERU/G    001470  77171          0327          2
        CCCMPSW     DEC   0                          001477  00000          0328          2
        COMP  +0    2DEC  0                          001471  00000  00000   0329          2
        COMP  +2    2DEC  0                          001473  00000  00000   0330          2
        COMP  +4    2DEC  0                          001475  00000  00000   0331          2
R
R       RENDEZVOUS AND LUNAR SURFACE NAVIGATION INITIALIZATION
R
        RRENDPOS    OCT   05750                      002000  05750          0332          2
        RRENVEL     OCT   00763                      002001  00763          0333          2
        RSUPPOS     OCT   02764                      002006  02764          0334          2
        RSUPVEL     OCT   00372                      002007  00372          0335          2
        WSHAFT      OCT   17270                      002002  17270          0336          2
        WTRUN       OCT   17270                      002003  17270          0337          2
        RMAX        OCT   00023                      002004  00023          0338          2
        VMAX        OCT   00001                      002005  00001          0339          2
        SHAFTVAR    DEC   E-6 B12                    002010  00103          0340          2
        TRUNVAR     DEC   E-6 B12                    002011  00103          0341          2
        RVARMIN     DEC   .66C E-12                  001774  00410          0342          2
        VVARMIN     DEC   .17445 E-5 B12             001775  00165          0343          2
        RANGEVAR    2DEC  .11111111 E-4 B12*         001770  01351  24734   0344          2
        RATEVAR     2DEC* 1.677777 E-5 B12*          001772  02354  04750   0345          2
        X7EST       2DEC  0                          001700  00000  00000   0346          2
        X7EST +2    2DEC  0                          001702  00000  00000   0347          2
        X7EST +4    2DEC  0                          001704  00000  00000   0348          2
R
R       PARTIALS FOR THE R2 LUNAR GRAVITATIONAL POTENTIAL MODEL
R
        DEJ22K2M    OCT   12160                      001347  12160          0349          2
        DEJ31PM     OCT   03363                      001350  03363          0350          2
R
R       MISCELLANEOUS INITIALIZATION
R
        ZTIGINC     2DEC  1000                       003400  00001  03120   0351          2
        TITSINC     2DEC  1000                       003402  00001  03120   0352          2
        ALSK        OCT   3671                       002020  03671          0353          2
        AGSK +1     OCT   21200                      002021  21200          0354          2
        TNEWA       OCT   00000                      003431  00000          0355          2
        TNEWA  +1   OCT   17500                      003432  17500          0356          2
        ZEROTIME    DEC   2[illegible]               003422  05050          0357          2
R
R       AUTOPILOT INITIALIZATION
R
        FULLTIME    OCT   05556                      003001  05556          0358          2
        HITTIME     OCT   04431                      003002  04431          0359          2
        FUSTERKP    2DEC  0                          003113  00000  00000   0360          2
        FUSTERKQ    2DEC  0                          003115  00000  00000   0361          2
        FUSTERKV    2DEC  0                          003117  00000  00000   0362          2
R
R       ABORT INITIALIZATION
```

```
R
        THETCNTT        OCT     0546                                    002560  00546           0363        2
        THETCNTT +1     OCT         05411                               002561  05411           0364        2
        RAMIN           OCT     3325                                    002562  03325           0365        2
        RAMIN   +1      OCT         16761                               002563  16761           0366        2
        JRPARM          OCT     07007                                   002550  07007           0367        2
        JRPARM  +1      OCT         10721                               002551  10721           0368        2
        KIPARM          OCT     73311                                   002552  73311           0369        2
        KIPARM  +1      OCT         47334                               002553  47334           0370        2
        JRPARM          OCT     07141                                   002554  07141           0371        2
        JRPARM  +1      OCT         12264                               002555  12264           0372        2
        KZPARM          OCT     73473                                   002556  73473           0373        2
        KZPARM  +1      OCT         41017                               002557  41017           0374        2
        AFTLOUT         OCT     00007                                   002566  00007           0375        2
        AFTLOUT +1      OCT         23346                               002567  23346           0376        2
        YLIM            OCT     00016                                   002564  00016           0377        2
        YLIM    +1      OCT         32446                               002565  32446           0378        2
        CESTHETI +1     2D      0.0000000 E+00B-02  0.0000000000+000    002570  00000   00000   0379        2
        CESTHETZ +1     2D      0.6625408 E-01B-02  0.6625408037-001    002572  06733   07535   0380        2
R
R       PTZ INITIALIZATION
R
        TCNADSG         OCT     00162                                   003012  00162           0381        2
        TCNADSG         OCT     00163                                   003013  00163           0382        2
R
R       ALIGNMENT OPTICAL TELESCOPE DETENT PADLOADS
R
        ALT Z           OCT     65252                                   003404  65252           0383        2
        ALT Z +1        OCT     00000                                   003405  00000           0384        2
        ALTAZ +2        OCT     12525                                   003406  12525           0385        2
        ALTAZ +3        OCT     25252                                   003407  25252           0386        2
        ALTAZ +4        OCT     40000                                   003410  40000           0387        2
        ALTAZ +5        OCT     52525                                   003411  52525           0388        2
        ALTEL           OCT     10000                                   003412  10000           0389        2
        ALTEL +1        OCT     10000                                   003413  10000           0390        2
        ALTEL +2        OCT     10000                                   003414  10000           0391        2
        ALTEL +3        OCT     10000                                   003415  10000           0392        2
        ALTEL +4        OCT     10000                                   003416  10000           0393        2
        ALTEL +5        OCT     10000                                   003417  10000           0394        2
R
R       LANDING RADAR PADLOADS
R
        LRALPHA         1D      1.6666666 E-02B+01  6.0000000000+000  DEG   002522  01042           0395        2
        LRBETAI         1D      6.6666667 E-02B+01  2.4000000000+001  DEG   002523  04211           0396        2
        LRALPHAZ        1D      1.6666666 E-02B+01  6.0000000000+000  DEG   002524  01042           0397        2
        LRBETAZ         1D      0.0000000 E+00B+01  0.0000000000+000  DEG   002525  00000           0398        2
        LRWF            1D      3.5000000 E-01B+00  3.5000000000 -001        003421  13146           0399        2
        LRHMAX          1D      1.5240000 E+04B-14  5.0000000000+004  FT    003420  35610           0400        2
        LRVMAX          1D      6.2500000 E-02B+00  2.0000000000+003  FT/SEC  002526  01414           0401        2
        LRVF            1D      6.0000000 E-01B-07  2.0000000000+002  FT/SEC  002527  00116           0402        2
        LRWVZ           1D      3.0000000 E-01B+00  3.0000000000-001        002530  11463           0403        2
        LRWVY           1D      3.0000000 E-01B+00  3.0000000000-001        002531  11463           0404        2
        LRWVX           1D      3.0000000 E-01B+00  3.0000000000-001        002532  11463           0405        2
        LRWVFZ          1D      2.0000000 E-01B+00  2.0000000000-001        002533  06315           0406        2
        LRWVFY          1D      2.0000000 E-01B+00  2.0000000000-001        002534  06315           0407        2
        LRWVFX          1D      2.0000000 E-01B+00  2.0000000000-001        002535  06315           0408        2
        LRWVFF          1D      1.0000000 E-01B+00  1.0000000000-001        002536  04146           0409        2
```

```
         FRC-FIM1        DEC     [illegible] 8-17                                  003427  01407           0410          2
         FRC-TCSW        DEC     -[illegible]                                      003430  57777           0411          2
         DELCFIX         OCT     [illegible]                                       002520  00000           0412          2
         IELCFIX   +1    OCT             01717                                     002521  01717           0413          2
         RZMIKAL         2DEC                                                      001351  00000   00000   0414          2
         SKALSKAL        DEC     0                                                 001353  00000           0415          2
R
R        FADLOADS FOR NOUN 65
R
         DLAN      + 0   2D  [illegible].0000000000 E+00R-24  0.[illegible]0000+000  FT   002634  00000   00000   0416          2
         DLAN      + 2   2D  [illegible] 0 E+00R-24  0.[illegible]0000+000  FT   002636  00000   00000   0417          2
         DLAN      + 4   2D  0.0000000000 E+00R-24  0.0000000000+000  FT   002640  00000   00000   0418          2
R
R        IGNITION ALGORITHM PADLOADS (PE3)
R
         VIGN            OCT     0 416                                             002472  00416           0419          2
         VIGN      +1            OCT             26714                             002473  26714           0420          2
         RIGNX           OCT     77731                                             002474  77731           0421          2
         RIGNX     +1            OCT             44630                             002475  44630           0422          2
         RIGNZ           OCT     77127                                             002476  77127           0423          2
         RIGNZ     +1            OCT             55622                             002477  55622           0424          2
         RIGNX/B4        OCT     76607                                             002500  76607           0425          2
         RIGNX/B4  +1            OCT             61356                             002501  61356           0426          2
         RIGNY/B8        OCT     72834                                             002502  72834           0427          2
         RIGNY/B   +1            OCT             51602                             002503  51602           0428          2
         RIGNV/B4        OCT     72775                                             002504  72775           0429          2
         RIGNV/B4  +1            OCT             57777                             002505  57777           0430          2
R
R        LUNAR LANDING TARGET PARAMETERS
R
         RERFG           OCT     77777                                             002402  77777           0431          2
         RERFG     +1            OCT             41001                             002403  41001           0432          2
         RERFG     +2    2DEC    0                                                 002404  00000   00000   0433          2
         RERFG     +4            OCT     77773                                     002406  77773           0434          2
         RERFG     +5            OCT             74320                             002407  74320           0435          2
         VERFG           OCT     77766                                             002410  77766           0436          2
         VERFG     +1            OCT             62640                             002411  62640           0437          2
         VERFG     +2    2DEC    0                                                 002412  00000   00000   0438          2
         VERFG     +4            OCT     77774                                     002414  77774           0439          2
         VERFG     +5            OCT             64173                             002415  64173           0440          2
         AERFG           OCT     77774                                             002416  77774           0441          2
         AERFG     +1            OCT             64147                             002417  64147           0442          2
         AERFG     +2    2DEC    0                                                 002420  00000   00000   0443          2
         AERFG     +4            OCT     77664                                     002422  77664           0444          2
         AERFG     +5            OCT             65446                             002423  65446           0445          2
         VERFG*          OCT     77770                                             002424  77770           0446          2
         VERFG*    +1            OCT             55426                             002425  55426           0447          2
         AERFG*          OCT     77771                                             002426  77071           0448          2
         AERFG*    +1            OCT             41354                             002427  41354           0449          2
         JERFG*          OCT     77544                                             002430  77544           0450          2
         JERFG*    +1            OCT             53646                             002431  53646           0451          2
         CAINPAK         OCT     77777                                             002432  37777           0452          2
         TCGRPAK         OCT     1015                                              002434  01015           0453          2
         TCCTPAK         OCT     00001                                             002435  00001           0454          2
         RAPFG           OCT     0000                                              002436  00000           0455          2
         RAPFG     +1            OCT             00624                             002437  00624           0456          2
         RAPFG     +2    2DEC    0                                                 002440  00000   00000   0457          2
```

```
        [illegible]  +4    OCT    77777                                    002442  77777          0458          2
        [illegible]  +5    OCT           77635                             002443  77635          0459          2
        VAPFG              OCT    77777                                    002444  77777          0460          2
        VAPF[illegible]  +1    OCT           77400                          002445  77400          0461          2
        VAPF[illegible]  +2    OCT    0                                     002446  00100  00000  0462          2
        VAPF[illegible]  +3    OCT    [illegible]                           002450  00000          0463          2
        VAPF[illegible]  +4    OCT           00372                          002451  00372          0464          2
        VAPF[illegible]        OCT    [illegible]02                         002452  00002          0465          2
        VAP[illegible]   +1    OCT           14522                          002453  14522          0466          2
        VAP[illegible]   +2    OCT    0                                     002454  00000  00000  0467          2
        VAP[illegible]   +4    OCT    77774                                 002456  77774          0468          2
        VAP[illegible]   +5    OCT           71233                          002457  71233          0469          2
        VAPFG[illegible]       OCT    [illegible]                           002460  00000          0470          2
        VAPF[illegible]  +1    OCT           01062                          002461  01062          0471          2
        VAPFG              OCT    77754                                    002462  77754          0472          2
        VAPF[illegible]  +1    OCT           67646                          002463  67646          0473          2
        VAPF[illegible]        OCT    00612                                 002464  00612          0474          2
        VAPF[illegible]  +1    OCT           30716                          002465  30716          0475          2
        [illegible]            OCT    [illegible]                           002466  00000          0476          2
        TCCIAPPR           OCT    [illegible]                              002470  00113          0477          2
        TCCIAPPR           OCT    06231                                    002471  06231          0478          2
        TANDEAK            DEC    6700 B-17                                003423  01407          0479          2
        TCAIAPP            DEC    1200 B-17                                003424  00226          0480          2
        GETTFAF            DEC    -6900 B-17                               003425  76240          0481          2
        [illegible]ALTIML  DEC    -22[illegible] B-17                      003426  77743          0482          2
R
R       TF[illegible]TIL [illegible]UCTION PADLC/DS
R
        LE[illegible]CRIT  DEC    2124                                     002506  04114          0483          2
        FIGHCRIT           DEC    2347                                     002507  04453          0484          2
R
R       PCE INITIALIZATION
R
        TAUV[illegible]T   2DEC   1000 B-14                                002516  01750  00000  0485          2
        V[illegible]FG     [illegible]EC   -.0009144 B-10                  002510  77777  73242  0486          2
        V[illegible]G  +2  2DEC   0                                         002512  00000  00000  0487          2
        V[illegible]G  +4  2DEC   0                                         002514  00000  00000  0488          2
R
R       PCE INITIALIZATION
R
        RE[illegible]ALL + [illegible]  1[illegible]  3.[illegible]2000C E-03B+07  1.[illegible]+000  FT/SEC   002537  14370          0489          2
        TAUFCI  + [illegible]  2[illegible]  1.5[illegible]000C E+02B-05  1.5000000[illegible]+000  SEC   002540  11300  00000  0490          2
        LAG/TAU  + [illegible]  2[illegible]  4.1[illegible]33000C E-01B+00  4.1333300[illegible]-001   002542  15164  01420  0491          2
        MINFORC            CCT    00001                                    002544  00001          0492          2
        MINFORCE +1        OCT           27631                              002545  27631          0493          2
        MAXFE[illegible]   CCT    00013                                    002546  00013          0494          2
        MAXFORCE +1        OCT           06551                              002547  06551          0495          2
R                          END    PACS12
R       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        SEA-ACCS           ENVSUM 2                                        107437                 0496          3
        PREPEAC            ENVSUM 2                                        107410                 0497          3
R                          INSERT LSH002
R       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        TCCSM              2DEC   0                                        001622  00000  00000  0498          2
        [illegible]UVCSM   [illegible]EC   0                                001600  00000  00000  0499          2
        NUVCSM +2          2DEC   0                                         001602  00000  00000  0500          2
        NUVCSM +4          2DEC   0                                         001604  00000  00000  0501          2
```

```
        XKLFCSM          2LEC    D                                    001624   00000   00000   0502          2
        DELTACSM         2DEC    E                                    001572   00000   00000   0503          2
        DELTACSM +2      2DEC    F                                    001574   00000   00000   0504          2
        DELTACSM +4      2DEC    G                                    001576   00000   00000   0505          2
        TCLEM            2LEC    H                                    001674   00000   00000   0506          2
        NOVLEM           2DEC    C                                    001652   00000   00000   0507          2
        NOVLEM +2        2DEC    C                                    001654   00000   00000   0508          2
        NOVLEM +4        2DEC    C                                    001656   00000   00000   0509          2
        XKLFLEM          2DEC    C                                    001676   00000   00000   0510          2
        DELT LEM         2DEC    C                                    001644   00000   00000   0511          2
        DELTALEM +2      2DEC    C                                    001646   00000   00000   0512          2
        DELTALEM +4      2DEC    C                                    001650   00000   00000   0513          2
R                        END     ISRCC2
R       ++++++
```

```
ACC ALARMED - [illegible] - [illegible]SIFED GIMBAL ANGLE YIELDS GIMBAL-LOCK
L          EQ      [illegible]401
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0545      3
ACC ALARMED - 01402 - FI LOCKUW NOT CONTROLLING ATTITUDE
L          EQ      [illegible]402
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0546      3
ACC ALARMED - [illegible]4 - TWO STARS NOT AVAILABLE IN ANY DETENT
L          EQ      [illegible]4[illegible]
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0547      3
ACC ALARMED - [illegible] - TWO STARS NOT AVAILABLE
L          EQ      0405
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0548      3
ACC ALARMED - [illegible] -
L          EQ      0511
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0549      3
ACC ALARMED - [illegible]20 - RADAR REPT NOT EXPECTED AT THIS TIME
L          EQ      [illegible]20
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0550      3
ACC ALARMED - [illegible] - LANDING RADAR ANTENNA DID NOT ACHIEVE POSITION TWO
L          EQ      [illegible]
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0551      3
ACC ALARMED - [illegible]55 - MAXIMUM GUIDANCE PERIOD EXCEEDED
L          EQ      [illegible]
CHKFAIL1   MSG                                      CONDITIONAL    005603      0552      3
ACC ALARMED - 31201 - EXECUTIVE OVERFLOW - NO VAC AREAS
L          EQ      31201
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0553      3
ACC ALARMED - 31202 - EXECUTIVE OVERFLOW - NO CORE SETS
L          EQ      31202
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0554      3
ACC ALARMED - 31210 - TWO PROGRAMS USING DEVICE AT SAME TIME
L          EQ      31210
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0555      3
ACC ALARMED - 01[illegible]1 - ARCSIN OR ARCCOS CALLED WITH TOO LARGE AN ARGUMENT
L          EQ      [illegible]1301
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0556      3
ACC ALARMED - [illegible] - SQRT CALLED WITH A NEGATIVE ARGUMENT
L          EQ      [illegible]
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0557      3
ACC ALARMED - 01406 - RECTPSIS FAILING TO CONVERGE ON TIME-TO-GO
L          EQ      1406
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0558      3
ACC ALARMED - 01407 - VG INCREASING
L          EQ      1407
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0559      3
ACC ALARMED - 01[illegible] - UNPLANNED OVERFLOW IN ASCENT OR DESCENT GUIDANCE
L          EQ      [illegible]410
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0560      3
ACC ALARMED - 01412 - LANDING IGNITION ALGORITHM IS NOT CONVERGING
L          EQ      1412
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0561      3
ACC ALARMED - 01466 - THROTTLE SERVICING INSUFFICIENT IN P66
L          EQ      1466
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0562      3
ACC ALARMED - 01703 - MIDCAVE MUST SLIP IGNITION
L          EQ      01703
CHKFAIL1   MSG     1                                CONDITIONAL    005603      0563      3
```

```
AGC ALARM - 3200C - LAP STILL IN PROGRESS AT NEXT TSRUPT
L                    -N        3200C
CHRIATIL             MSG       2                                                    005603                    0564          3
*****************************************************************************
*****************************************************************************
R                    END       LALARM
R    ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     LUNLANL          CLOCK                                                        072410                    0565          3
     STATP64          CLOCK                                                        072566                    0566          3
     REALACCS         CLOCK                                                        107437                    0567          3
     PIPSDEN          CLOCK                                                        107447                    0568          3
     SERVICEP         CLOCK                                                        076206                    0569          3
     DISPEXIT         CLOCK                                                        073437                    0570          3
     PROGIMS          CLOCK                                                        101632                    0571          3
     VELOPDAT         CLOCK                                                        077257                    0572          3
     VUPDATED         CLOCK                                                        077455                    0573          3
     RESUPDAT         CLOCK                                                        077127                    0574          3
     RUPDATED         CLOCK                                                        077251                    0575          3
     SETPOS2          CLOCK                                                        077721                    0576          3
     SLAP1            CFDUMP                                   1.3                 022447                    0577          3
     SLAP1            DUMP      32            END-E7           1.4                 022447   00032   03777    0578          3
     RENINIT +2       DUMP      32            END-E7           1.5                 075201   00032   03777    0579          3
     REALACCS +1      CFDUMP                                   1.1                 107440                    0580          3
     ENDIJOB          DUMP      A             E7,0777          1.2                 073442   00000   03777    0581          3
     RENINS   +3      DUMP      LPVTIME       PIPTIME1 +1                          101635   02252   03561    0582          3
```

BACKCKCUL - [illegible]

CARDS READ BY STRCKAUT INPUT-PROG 5 :

```
A       PRINT OFF LEMRCAR OFF DISPLAY INERTIAL DATA ON
A       WAIT 12 V 37 [illegible] CC E
A       VERIFY WITHIN 2[illegible] MCDE [illegible] THEN WAIT 2 V 48 E
A       IF V [illegible] N 46 THEN WAIT 1 V 21 E  21112 E WAIT 3 PRCCEEC
A       IF V [illegible] N 47 THEN WAIT 1 V 21 E + 3380 E WAIT 1 PROCEEC
A       IF V [illegible] THEN WAIT 1 V 34 E      WAIT 2
A       WAIT 2 V [illegible] E WAIT 2
A       V 37 E 63 [illegible]          WAIT 2
A       IF V [illegible] N -1 THEN WAIT 2 PRCCEEC WAIT 2
A       IF V [illegible] N 25 R1 C[illegible]14 THEN WAIT 2 ENTER WAIT 2
A       IF V 5[illegible] N [illegible] THEN GLIDEMCDE PRIMARY SCSMCDE AUTO WAIT 2 PROCEED
A       IF V 50 N 13 THEN WAIT 2 ENTER
A       IF V [illegible] N 52 THEN LCENGARM CN  LEMTHRCT 1C WAIT 2 PROCEED
A       WAIT 1[illegible] V 57 C WAIT 10 V 34 E
A       WAIT 30 V 57 E WAIT 25 V 34 E WAIT 1 LEMFACAR OFF WAIT 50 V 57 E WAIT 2
ATRYIT  VERIFY WITHIN 12C MCABORT V 06 N 69 R3 UNEQ +55555 THEN GC TC LRCN
A       OTHERWISE V 34 E WAIT 10 V 57 E GC TC TRYIT END
ALRCN   WAIT 5 PROCEED WAIT 15 PRCCEED WAIT 15
A       IF V 06 N 65 THEN WAIT 1 PRCCEEC
A       WAIT 28
A       LRHCRATE INFINITE LEMFCTRL R +2 WAIT .3 LEMFCTRL R 0 WAIT .7
A       WAIT 2 S 72 HULC CARDS
A       SCSMCDE OFF WAIT [illegible] 0 V 37 E 68 E
A       IF V [illegible] N 4[illegible] THEN WAIT 2 PROCEED WAIT 2
A       WAIT [illegible] V 65 [illegible]
```

END CF ASTRCKAUT INPUT CARDS.

```
LABEL  TRYIT   IS EQN #   292182 .
LABEL  LRCN    IS EQN #   292201 .
```

INPUTPROG INITIALIZATION CARDS:

```
ID                PRNTCTRL                FLIGHT #                ALTT                    LATT                    LONGT
[illegible]  [illegible]  [illegible]  0[illegible]  5.C40CCCCCCCCC  C2  -2.1550295555555  C3  -2.9424555555555  C0  -2.34431999999  01
```

THE UNIVERSE ROUTINE IS USING DATA FCR THE PERIOD FROM JULY 1, 1965 THRCUGH JULY 1970

UNIVERSE INPUT DATA FROM DATAFILE:

UNIVERSE INPUT CARDS ([illegible] IF THEN):

```
ID                EPCCH                   ORIGIN                  R(X)                    R(Y)                    R(Z)
ID                TZERO                   CUTCTRL                 V(X)                    V(Y)                    V(Z)
ID                CONFIG                  PERT
1.1C[illegible]  01  1.366E240[illegible]99  02  2.000000000000  00  -1.725E272E555  C6  5.652444E5555  C4  -3.0075470999  05
```

```
1.1CC [illegible]  1  [illegible]  1.0                -1.0[illegible]122999999  02   1.41191199999  02   5.30283999999  02
1.1C[illegible]                  1.0   1.0CCCCCC0CCC  00
```

PRELUNCHCHECK2 INPUT DATA:

```
IC          XXX          XXX          XXX          XXX          XXX
ID          WEST TIP     SOUTH TIP    XXX          METHOD       XXX
ID          PRNTCTRL
2.0[illegible]  02   1.0[illegible]   1.0          0.0          0.0
2.0[illegible]  02   0.0          0.0          0.0          1.00000000000  00   0.0
2.0[illegible]  02   1.0
```

PRELAUNCH: MOON RATE IS 0.000002661659476 RAD/SEC.

LEM DATA CARDS:

```
ID          PRNT TRL     CTPRINT      STAGE        THRUST       THBITS
IC          PITCH        YAW          ROLL         WVX          WVY
ID          WVZ          MODEL        DEBITS       AEBITS       RCSBITS1
ID          RCSBITS2     RCSBITS3     RCSBITS4     JPY          JPZ
IC          DFUELL       AFUELL       CFUELL       CGOFFSET     RFUELL
2.0[illegible]  02   0.0          0.0          1.0000000000  00   0.0          0.0
2.0[illegible]  02   1.0          1.0          0.0          0.0          0.0
2.0[illegible]  02   1.0          1.0000000000  02   0.0          0.0          0.0
2.0[illegible]  02   [illegible]  0.0          0.0          0.0          0.0
2.0[illegible]  02   1.0[illegible]  00   1.0000000000  00   1.0000000000  00   0.0          1.00000000000  00
```

THE UNPACKED CONTENTS OF "MODEL" ARE:

```
FLUTFLAG     DEBUG        NOT USED     SLOSF        ENGARM       BEND
0            0                         1            0            0
```

LEM USES NO POSITION ERRORS OR MISALIGNMENTS FOR DE, AE, RCS

LEM USES THE FOLLOWING THRUST ERRORS
(PERCENT OF FULL RATED THRUST)

DESCENT ENGINE (START OF MISSION DUTY CYCLE AND 370 SEC. LATER)

```
1.0          1.0
```

ASCENT ENGINE (START OF MISSION DUTY CYCLE AND 460 SEC. LATER)

```
0            1.0
```

LEM INITIAL CONDITIONS

MASS = 1.4[illegible].775 KG = [illegible]11.[illegible] LB = 1056.795 SLUGS $\bar{CG}$ = (186.437 ,- 0.057 , 0.301) INCHES

```
                 (  23[illegible]  -  137.057  -  706.937)
INITIA = (-  1.7.957   2.783.038  -  360.342) SLUG-FT^2
         (-  7[illegible]  -  360.342   25714.299)
```

INC LK2 INPUT DATA:

ID	PACK EDITS	DTPRINT	CTFILE		XCDU (DG)
ID	YCDU (DG)	ZCDU (DG)	XERCTR(BT)	YERCTR(BT)	ZERCTR(BT)
ID	YEULER(DG)	ZEULER(DG)	XEULER(DG)	OUTCTRL	TPLOTFIL
ID	BD(0)	BD(1)	BD(2)	ASCIA(0)	ASCIA(1)
ID	ASCIA(2)	ASCSA(0)	ASCSA(1)	ASCSA(2)	BA(0)
ID	BA(1)	BA(2)	SF(0)	SF(1)	SF(2)

[illegible]	02	1.0[illegible]	[illegible]	0[illegible]		0.0		0.0		0.0	
[illegible]	[illegible]	[illegible]		0.		0.0		0.0		0.0	
[illegible]	02	-1.71319[illegible]	02	2.71039999999	01	-1.28259999999	02	0.0		2.22200000000	22
[illegible]	[illegible]	1.0[illegible]	[illegible]	-1.00000000000	01	4.40000000000	01	1.50000000000	01	3.00000000000	01
2.70[illegible]	02	[illegible]	02	1.50000000000	01	2.20000000000	02	-1.50000000000	01	2.19999999999	00
2.70[illegible]	02	-2.15997999999	00	5.00000000000	-01	5.00000000000	02	-5.00000000000	02	1.95000000000	03

THE UNPACKED CONTENTS OF "PACKEDEITS" ARE:

PAD STATE	TODC	ERCTR ENBL	CDUZERO	CRS ENABLE	FASTSW
0.	0.	0.0	0.0	0.0	1.00000000000 00

CDU'S SET EQUAL TO GIMBAL ANGLES AS REQUESTED ON INPUT CARDS.

INILK2: INITIAL CUTEF, INNEF, & MIDLLE GIMBAL ANGLES ARE: -1.96376488812 -02 -5.91050668592 01 -1.32081845968 -03

* (-1.87[illegible]5424), [illegible].45560[illegible]0547, 0.1343423434,
T = -0.16[illegible]9432[illegible], -[illegible].5512276735, [illegible].81875[illegible]28384,
ST [illegible].44710[illegible], 0.69[illegible]6[illegible]136, 0.5581491040)

INC CDU NOISE SIGMA SET TO 0.00 DEGRES T = 3.97133419[illegible]E 5

INC FAST SWITCH SET TO 12 T = 3.97133419[illegible]E 5

ASTRONAUT READS 10 WORDS OF ASTRONAUT CARD INFORMATION

0.PE	PER 3799	03	8.80000000000	09	0.0		7.77777777695	03	6.00066016600	09	6.00066004000	09
6.00	6[illegible]	70	9	8.[illegible]	[illegible]	03	8.80000000000	09	1.20000000000	01		

ASTRONAUT KEYSTROKE 129 FOR TIME 397133.419
ASTRONAUT KEYSTROKE 12[illegible] FOR TIME 397133.420
ASTRONAUT: EXITS UNTIL TIME 397133.4200 FOR REASON 3

SITE ALT FILED WITH MAP	SITE ALT ENTERED TO SIM	TERRAIN DISCONT AT MAPRIM
-2.155[illegible]	-2.12[illegible]	-1.44800020507 -06

LOOKING FROM ABOVE, THE MAP IS A 220 KM DISK ABOUT THE NOMINAL SITE. TERRAIN HEIGHT AT THE RIM OF THE DISK IS -ALT(MAP), WHICH IS STORED WITH THE TERRAIN FILE TO INSURE A LUNAR REFERENCE SURFACE OF RADIUS 1738000 M. BEYOND THE MAP. IF ALT(MAP) DIFFERS FROM USER'S SITE ALT, A TERRAIN DISCONTINUITY WILL ENSUE AT THE MAP RIM

LUNAR TERRAIN INITIALIZED WITH FOLLOWING LANDING SITE LOCATION:

LAT. LON. ALT.

LON (DEG.)	LAT (DEG.)	SITE (METERS)
[illegible]	[illegible]	-2.19502999999 [illegible]

MAP POINTS,IN DEGREES (LONG AND LAT)
-2.3[illegible] [illegible] 01 - [illegible] 00

READ DATA CARDS

ID	SHAFT	TRUN.	S ERCTR	T ERCTR	RCOTSIG
ID	S CUTCTR	T CUTCTR	OUTCTRL	DTPRINT	RGESIGMA
ID	TRKDEL	TFILE1	TFILE2	PCWERCFF	RCOTSIGMA
ID	S BIAS	T BIAS	PGE BIAS	RCOT BIAS	FAST
ID	K (L/F)	V MINSIG	A MINSIG	V BIAS	A BIAS
ID		VX SIG	VY SIG	VZ SIG	ALT SIG

1.5000000000	01	0.0		0.0		0.0		0.0		0.0	
1.2000000000	01	0.0		0.0		0.0		0.0		0.0	
1.3000000000	01	0.0		0.0		0.0		0.0		0.0	
1.3000000000	01	0.0		0.0		0.0		0.0		1.00000000000	00
1.3000000000	01	1.0000000000	00	0.0		0.0		0.0		0.0	
1.3000000000	01			-1.0000000000	00	-1.0000000000	00	-1.0000000000	00	-1.00000000000	00

ENVIRONMENT (ENVCNTRL): LM GUIDANCE COMPUTER INTERFACE AND NAVIGATION HARDWARE SIMULATED.
VEHICLE DYNAMICS CALCULATED BY LEM SUBROUTINE

ENVIRONMENT (ENVCNTRL): ON LINE PRINTING INFORMATION
ON LINE PRINTING AT DISCRETION OF EACH SUBROUTINE'S INPUT DATA.
ENVSLM: REFERENCE ALTITUDE FOR TIME OF FREE FALL (TFF) CALCULATION IS 10000C FEET.

ENV COMPLETED INITIALIZATION AT 2156.9653 SEC. REAL TIME.

START SIMULATION

SNAPSHOT [illegible] [illegible] PLANNING 357133.415999

```
* * *  AUTOMATIC PLOT INITIATED AT      TIME =                397133.419        SEC.
        FORMAT  7.[illegible]           XSCALE =                    600        AGC SECONDS PER FOOT OF PLOT
                                        YSCALE =   (   0.0,   [illegible],   0.0        Y AXIS RESCALING LIMITS


* * *  AUTOMATIC PLOT INITIATED AT      TIME =                397133.419        SEC.
        FORMAT  1.[illegible]           XSCALE =                    600        AGC SECONDS PER FOOT OF PLOT
                                        YSCALE =   (   0.0,   0.0,   0.0        Y AXIS RESCALING LIMITS


      ASTRONAUT REASON 3 CALL AT TIME  397133.4200 CURRENT DISPLAYS:
MODE  P    VERB  [illegible]   NOUN  [illegible]    FLASH 0                                    CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                          R1      0    R2      0   R3      0

      ASTRONAUT PERFORMS ACTION [illegible]0000166 AT TIME  397133.4200


      ASTRONAUT PERFORMS ACTION 60000000040 AT TIME  397133.4200


      FAILED CONFUSED BY ASTRONAUT CALL AT T = 397133.4200.

      ASTRONAUT PERFORMS ACTION 60000000167 AT TIME  397133.4200


DISPLAYS =      XX    XX    XX            XXXXX   XXXXX   XXXXX                                                          397134.000000

      IMU CDU ZERO BIT HAS GONE ON.                T = 3.971344[illegible]3E 5

      IMU CDU ZERO BIT HAS GONE OFF.               T = 3.971347711E 5

      ASTRONAUT KEYSTROKE "VERB"                FOR TIME  397145.420
      ASTRONAUT KEYSTROKE                       FOR TIME  397145.670
      ASTRONAUT KEYSTROKE        7              FOR TIME  397145.920
      ASTRONAUT KEYSTROKE "ENTER"               FOR TIME  397146.170
      ASTRONAUT KEYSTROKE        0              FOR TIME  397146.420
      ASTRONAUT KEYSTROKE        0              FOR TIME  397146.670
      ASTRONAUT KEYSTROKE "ENTER"               FOR TIME  397146.920

DISPLAYS =      XX    37    XX            XXXXX   XXXXX   XXXXX                                                          397146.000000

  ****** DISABLE PROTECTION VIOLATION                    T1=37605        SECONDS RUNNING     397146.932045        6834

LOC    INST        A      L      X BEFORE     X AFTER     X(DEC) AFTER    C    EBANK  TIME3  TIME4  TIME5  TIME6  MCTS   AGC TIME
```

```
2152 TS [illegible] 7  4 [illegible]  37605        40000  -0.9999999664  00002  10001  37460  37776  37775  12345  534  7146.93204
*****************************************************************************************************************************
LEM HAS RECEIVED AUTO THRTTL [illegible] TRAINS BUT CANNOT PROCESS THEM : THRUST CONT SW = 1 (1=AUTO) ENGARM = 0 (0=DISARM)
TIME = 397[illegible].0[illegible]574  ******* [illegible]  THRUST CONTROL SWITCH SHOULD BE IN AUTO AND ENGINE SHOULD BE ARMED **************

DISPLAYS =      [illegible]  37   xx          xxxxx   xxxxx   xxxxx                                                          397147.000007

        T = [illegible]7147.170.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE  [illegible]   VERB  3  0    NOUN        FLASH 0                                   CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK [illegible]                                  R1      0    R2      0  R3      0

DISPLAYS =      [illegible]  xx   xx          xxxxx   xxxxx   xxxxx                                                          397148.000000

        ASTRONAUT KEYSTROKE "VERB"              FOR TIME  397149.170
        ASTRONAUT KEYSTROKE      4              FOR TIME  397149.420
        ASTRONAUT KEYSTROKE      8              FOR TIME  397149.670
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397149.920

DISPLAYS =      [illegible]  01   46  FLASH   xxxxx   xxxxx   xxxxx                                                          397150.000000

        T = 397[illegible].475.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE  0     VERB  1     NOUN 46     FLASH 1                                   CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                            R1  21122    R2      0  R3      0

DISPLAYS =      [illegible]  01   46  FLASH   21122   xxxxx   xxxxx                                                          397151.000000

        ASTRONAUT KEYSTROKE "VERB"              FOR TIME  397151.473
        ASTRONAUT KEYSTROKE      2              FOR TIME  397151.723
        ASTRONAUT KEYSTROKE      1              FOR TIME  397151.973
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397152.223
        ASTRONAUT KEYSTROKE      2              FOR TIME  397152.473
        ASTRONAUT KEYSTROKE      1              FOR TIME  397152.723
        ASTRONAUT KEYSTROKE      1              FOR TIME  397152.973
        ASTRONAUT KEYSTROKE      1              FOR TIME  397153.223
        ASTRONAUT KEYSTROKE      2              FOR TIME  397153.473
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397153.723

DISPLAYS =      00   21   46  FLASH   21122   xxxxx   xxxxx                                  RELEASE DISPLAY                397152.000000

DISPLAYS =      00   21   46  FLASH   21xxx   xxxxx   xxxxx                                  RELEASE DISPLAY                397153.000000

DISPLAYS =      [illegible]  21   46  FLASH   21112   xxxxx   xxxxx                                                          397154.000000

DISPLAYS =      [illegible]  01   46  FLASH   21112   xxxxx   xxxxx                                                          397155.000000

        ASTRONAUT PERFORMS ACTION [illegible]0136 AT TIME  397156.9734


        ASTRONAUT KEYSTROKE      PROCEED

DISPLAYS =      [illegible]  06   47  FLASH   +33316  +47170  xxxxx                                                          397158.000000

        T = [illegible]715[illegible].373.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE        VERB  6     NOUN 47     FLASH 1                                   CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                            R1 +33316    R2 +47170  R3      0
```

```
        AST NAUT KEYSTROKE "V    "              FOR TIME  397160.375
        AST NAUT KEYSTROKE       2              FOR TIME  397160.625
        ASTRONAUT KEYSTROKE      1              FOR TIME  397160.875
        ASTRONAUT KEYSTROKE "CNTL"              FOR TIME  397161.125
        AST NAUT KEYSTROKE " + "                FOR TIME  397161.375
        ASTRONAUT KEYSTROKE      1              FOR TIME  397161.625
        ASTRONAUT KEYSTROKE      2              FOR TIME  397161.875
        ASTRONAUT KEYSTROKE      1              FOR TIME  397162.125
        AST NAUT KEYSTROKE       2              FOR TIME  397162.375
        AST NAUT KEYSTROKE       ^              FOR TIME  397162.625
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397162.875

DISPLAYS =      00    21    47  FLASH   +23316  +47170   XXXXX                          RELEASE DISPLAY          397161.000000

DISPLAYS =      0     21    47  FLASH   +23XXX  +47170   XXXXX                          RELEASE DISPLAY          397162.000000

DISPLAYS =      00    21    47  FLASH   +23378  +47170   XXXXX                                                   397163.000000

DISPLAYS =      00    06    47  FLASH   +23378  +47170   XXXXX                                                   397164.000000

        AST-NAUT PERFORMS ACTION 00060136 AT TIME  397164.1254


        ASTRONAUT KEYSTROKE      PROCEED

        T =  397164.830.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 0    V-EX  4    NOUN 48    FLASH )                                  CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK                                   R1 +  466    R2 +  585  R3      0

DISPLAYS =      00    06    47  FLASH   +00466  +00585   XXXXX                                                   397165.000000

        ASTRONAUT KEYSTROKE "VERB"              FOR TIME  397165.130
        ASTRONAUT KEYSTROKE      3              FOR TIME  397166.080
        ASTRONAUT KEYSTROKE      4              FOR TIME  397166.330
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397166.580

DISPLAYS =      00    XX    48  FLASH   +00466  +00585   XXXXX                          RELEASE DISPLAY          397166.000000

DISPLAYS =            XX    XX            XXXXX   XXXXX   XXXXX                                                   397167.000000

        ASTRONAUT KEYSTROKE "VERB"              FOR TIME  397170.830
        AST NAUT KEYSTROKE       6              FOR TIME  397171.080
        ASTRONAUT KEYSTROKE      7              FOR TIME  397171.330
        ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  397171.580
        ASTRONAUT KEYSTROKE "VERB"              FOR TIME  397173.830
        AST NAUT KEYSTROKE       3              FOR TIME  397174.080
        ASTRONAUT KEYSTROKE      7              FOR TIME  397174.330
        AST NAUT KEYSTROKE "ENTER"              FOR TIME  397174.580
        ASTRONAUT KEYSTROKE      4              FOR TIME  397174.830
        ASTRONAUT KEYSTROKE      3              FOR TIME  397175.080
        AST NAUT KEYSTROKE "ENTER"              FOR TIME  397175.330

DISPLAYS =      00    37    6X  FLASH   XXXXX   XXXXX   XXXXX                                                   397175.000000

   ******   ERASABLE PROTECTION VIOLATION                    T1=05236      SECONDS RUNNING    397175.344361      2316
```

LOC	INST	A	L	X BEFORE	X AFTER	X(DEC) AFTER	Q	BBANK	TIME3	TIME4	TIME5	TIME6	MCTS	AGC TIME
2152 TS	[illegible]	40000	[illegible]2151	05236	40000	-0.999938964	00002	10001	25355	37773	37776	12345	52	7175.34436

********** ********** **********

LEM HAS RECEIVED ALTL THROTTLE PULSE TRAINS BUT CANNOT PROCESS THEM : THRUST CONT SW = 1 (1=AUTO) ENGARM = 0 (0=DISARM)
TIME = 39717.3490624 ********** THPLST CONTROL SWITCH SHOULD BE IN AUTO AND ENGINE SHOULD BE ARMED **********

DISPLAYS = 03 XX XX XXXXX XXXXX XXXXX 397176.000021

SNAPSHOT 97183 SECONDS RUNNING 397183.000046

```
        T =  397185.770,  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 63     VERB 06     NOUN 61     FLASH 1                                    CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                  R1 - 9036    R2 - 3042  R3 -    2

DISPLAYS =     63    06    61  FLASH   -09X36  -03X42  -00002                                                397186.000000

DISPLAYS =     63    06    61  FLASH   -09X36  -03X41  -00002                                                397187.000000

        ASTRONAUT PERFORMS ACTION 6000660136 AT TIME  397187.7704


        ASTRONAUT KEYSTROKE      PROCEED

DISPLAYS =     63    06    61  FLASH   -09X36  -03X40  -00002                                                397188.000000

DISPLAYS =     63    50    25  FLASH    00014   XXXXX   XXXXX                                               397189.000000

        T =  397192.170,  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 63     VERB 50     NOUN 25     FLASH 1                                    CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                  R1     14    R2      0  R3      0

        ASTRONAUT KEYSTROKE "ENTER"            FOR TIME  397194.172

DISPLAYS =     63    XX    XX  FLASH    XXXXX  +10836  +35958                                               397195.000000

DISPLAYS =     63    50    18  FLASH   +35993  +10836  +35958                                               397196.000000

        T =  397196.672,  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 63     VERB 50     NOUN 18     FLASH 1                                    CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                  R1 +35993    R2 +10836  R3 +35958

        ASTRONAUT PERFORMS ACTION 0006 0071 AT TIME  397198.6744


        ***********************************************************
        LUM:  LGC IS NOW IN CONTROL OF SPACECRAFT
        ***********************************************************

        ASTRONAUT PERFORMS ACTION 0006 0 59 AT TIME  397198.6744


        IMU PERCH COUNTER ENABLE BIT FAS CONE ON.   T = 3.971985555E 5

        ASTRONAUT PERFORMS ACTION 0006 0066136 AT TIME  397200.6744


        ASTRONAUT KEYSTROKE      PROCEED

DISPLAYS =     63    50    18          +35XXX   XXXXX   XXX59                                               397201.000023

DISPLAYS =      3    XX    XX           XXXXX   XXXXX   XXXXX                                               397202.000014

DISPLAYS =     63    06    18          +35993  +10836  +35958                                               397203.000000
```

SNAPSHOT [illegible] SECONDS RUNNING [illegible]0035

SNAPSHOT [illegible] SCENES RUNNING 397283.000035

```
DISPLAYS =    [illegible]  06   18  FLASH   +25993  +10836  +35958                                                    397286.000000

        T =   7286.452.  AST INPUT SEES DESIRED DISPLAYS.
MODE 63     VERB 50     NOUN [illegible]     FLASH 1                                   CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                                  R1 +35993    R2 +10836  R3 +35958

DISPLAYS =    63   50   18  FLASH   +25993  +10836  +35958                                                    397287.000000

        ASTRONAUT KEYSTROKE "ENTER"                 FOR TIME  397288.452
 ************************************************************ ************************************************************
LEM HAS RECEIVED AUTO THROTTLE PULSE TRAINS BUT CANNOT PROCESS THEM : THRUST CONT SW = 1 (1=AUTO) ENGARM = 0 (0=DISARM)
TIME = 397288.6346874 ************** THRUST CONTROL SWITCH SHOULD BE IN AUTO AND ENGINE SHOULD BE ARMED **************

DISPLAYS =    63   XX   XX          XXXXX   XXXXX   XXXXX                                                     397289.000002

DISPLAYS =    63   06   6[illegible]        +55633  -01X51  +00000                                                    397297.000000

DISPLAYS =    63   06   6[illegible]        +55633  -01X50  +00000                                                    397298.000000

DISPLAYS =    63   06   62          +55633  -01X49  +00000                                                    397299.000000

DISPLAYS =    63   06   62          +55633  -01X48  +00000                                                    397300.000000

DISPLAYS =    63   06   62          +55633  -01X47  +00000                                                    397301.000000

DISPLAYS =    63   06   62          +55633  -01X46  +00000                                                    397302.000000

DISPLAYS =    63   06   62          +55633  -01X45  +00000                                                    397303.000000

DISPLAYS =    63   06   62          +55633  -01X44  +00000                                                    397304.000000

DISPLAYS =    63   06   62          +55633  -01X43  +00000                                                    397305.000000

DISPLAYS =    63   06   62          +55633  -01X42  +00000                                                    397306.000000

DISPLAYS =    63   06   62          +55633  -01X41  +00000                                                    397307.000000

DISPLAYS =    63   06   62          +55633  -01X40  +00000                                                    397308.000000

DISPLAYS =    63   06   62          +55633  -01X39  +00000                                                    397309.000000

DISPLAYS =    63   06   62          +55633  -01X38  +00000                                                    397310.000000

DISPLAYS =    63   06   62          +55633  -01X37  +00000                                                    397311.000000

DISPLAYS =    63   06   62          +55633  -01X36  +00000                                                    397312.000000

DISPLAYS =    63   06   62          +55633  -01X35  +00000                                                    397313.000000

DISPLAYS =    63   06   62          +55633  -01X34  +00000                                                    397314.000000

DISPLAYS =    63   06   62          +55633  -01X33  +00000                                                    397315.000000

DISPLAYS =    63   06   62          +55633  -01X32  +00000                                                    397316.000000

DISPLAYS =    63   06   62          +55633  -01X31  +00000                                                    397317.000000
```

DISPLAYS =	6[illegible]	06	[illegible]	+55633	-01X30	+00000	397318.000000
DISPLAYS =	63	06	62	+55633	-01X29	+00000	397319.000000
DISPLAYS =	63	06	62	+55633	-01X28	+00000	397320.000000
DISPLAYS =	63	06	62	+55633	-01X27	+00000	397321.000000
DISPLAYS =	63	06	62	+55633	-01X26	+00000	397322.000000
DISPLAYS =	63	06	62	+55633	-01X25	+00000	397323.000000
DISPLAYS =	63	06	62	+55633	-01X24	+00000	397324.000000
DISPLAYS =	63	06	62	+55633	-01X23	+00000	397325.000000
DISPLAYS =	63	06	62	+55633	-01X22	+00000	397326.000000
DISPLAYS =	63	06	62	+55633	-01X21	+00000	397327.000000
DISPLAYS =	63	06	62	+55633	-01X20	+00000	397328.000000
DISPLAYS =	63	06	62	+55633	-01X19	+00000	397329.000000
DISPLAYS =	63	06	62	+55633	-01X18	+00000	397330.000000
DISPLAYS =	63	06	62	+55633	-01X17	+00000	397331.000000
DISPLAYS =	63	06	62	+55633	-01X16	+00000	397332.000000
DISPLAYS =	63	06	62	+55633	-01X15	+00000	397333.000000

SNAPSHOT [illegible]7333 SECONDS RUNNING 397333.000035

DISPLAYS =	[illegible]	06	[illegible]	+55633	-01X14	+00000	397334.000000
DISPLAYS =	[illegible]	06	62	+55633	-01X13	+00000	397335.000000
DISPLAYS =	[illegible]	06	62	+55633	-01X12	+00000	397336.000000
DISPLAYS =	63	06	62	+55633	-01X11	+00000	397337.000000
DISPLAYS =	63	06	62	+55633	-01X10	+00000	397338.000000
DISPLAYS =	63	06	62	+55633	-01X09	+00000	397339.000000
DISPLAYS =	63	06	62	+55633	-01X08	+00000	397340.000000
DISPLAYS =	63	06	62	+55633	-01X07	+00000	397341.000000
DISPLAYS =	63	06	62	+55633	-01X06	+00000	397342.000000
DISPLAYS =	63	06	62	+55633	-01X05	+00000	397343.000000
DISPLAYS =	63	06	62	+55633	-01X04	+00000	397344.000000
DISPLAYS =	63	06	62	+55633	-01X03	+00000	397345.000000
DISPLAYS =	63	06	62	+55633	-01X02	+00000	397346.000000
DISPLAYS =	63	06	62	+55633	-01X01	+00000	397347.000000
DISPLAYS =	63	06	62	+55633	-01X00	+00000	397348.000000
DISPLAYS =	63	06	62	+55633	-00X59	+00000	397349.000000
DISPLAYS =	63	06	62	+55633	-00X58	+00000	397350.000000
DISPLAYS =	63	06	62	+55633	-00X57	+00000	397351.000000
DISPLAYS =	63	06	62	+55633	-00X56	+00000	397352.000000
DISPLAYS =	63	06	62	+55633	-00X55	+00000	397353.000000
DISPLAYS =	63	06	62	+55633	-00X54	+00000	397354.000000
DISPLAYS =	63	06	62	+55633	-00X53	+00000	397355.000000
DISPLAYS =	63	06	62	+55633	-00X52	+00000	397356.000000
DISPLAYS =	63	06	62	+55633	-00X51	+00000	397357.000000
DISPLAYS =	63	06	62	+55633	-00X50	+00000	397358.000000
DISPLAYS =	63	06	62	+55633	-00X49	+00000	397359.000000
DISPLAYS =	63	06	62	+55633	-00X48	+00000	397360.000000
DISPLAYS =	63	06	62	+55633	-00X47	+00000	397361.000000
DISPLAYS =	63	06	62	+55633	-00X46	+00000	397362.000000

DISPLAYS = [illegible] 8 +55633 -00X45 +00000 397363.000000

DISPLAYS = [illegible] 06 62 +55633 -00X44 +00000 397364.000000

DISPLAYS = 63 06 62 +55633 -00X43 +00000 397365.000000

DISPLAYS = 63 06 62 +55633 -00X42 +00000 397366.000000

DISPLAYS = 63 06 62 +55633 -00X41 +00000 397367.000000

DISPLAYS = 63 06 62 +55633 -00X40 +00000 397368.000000

DISPLAYS = 63 06 62 +55633 -00X39 +00000 397369.000000

DISPLAYS = 63 06 62 +55633 -00X38 +00000 397370.000000

DISPLAYS = 63 06 62 +55633 -00X37 +00000 397371.000000

DISPLAYS = 63 06 62 +55633 -00X36 +00000 397372.000000

DISPLAYS = 63 06 62 +55633 -00X35 +00000 397373.000000

DISPLAYS = 63 XX XX XXXXX XXXXX XXXXX 397374.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)	FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	CPS	PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397377.06	1571.6E	5046.2 - 3.00 -	14.3 -	7.27 -	0.11	359.95 -	0.10 -	0.01 -	0.43	538 -	40	0 591.1	60.32
110:22:57 -	2.4	0.3 - 3.00	557.00	353.57	179.76	107.14	107.13	0.01 -	1.20 -	536	40	0 18216	8.07
LANDING -	1.2548	161.5	0.00 -	7.6	43038 -	0.03	0.11 -	0.05 -	0.00	121	178	33999 5187	

DISPLAYS = 63 06 62 +55633 -00X29 +00000 397379.000000

397379.	1572.037	5010 - 3.00 -	17.0 -	7.25 -	0.14	359.94 -	0.13 -	0.01 -	0.43	4 -	17	0 591.1	60.32
110:22:59 -	5.17	0.1 - 0.00	557.00	353.46	179.89	107.15	107.14	0.01 -	1.09 -	5	17	0 18216	8.07
LANDING -	1.0834	161.5	0.00 -	7.3	43067 -	0.04	0.13 -	0.05 -	0.00	1	70	33999 5187	

107437	CLOCK REQUEST @ READACCS	T1=15110	SECONDS RUNNING	397379.281095	9715
107447	CLOCK REQUEST @ PIPSDONE	T1=15110	SECONDS RUNNING	397379.282296	9613
76200	CLOCK REQUEST @ SERVICER	T1=15111	SECONDS RUNNING	397379.293105	8690
101632	CLOCK REQUEST @ DGIMS	T1=15166	SECONDS RUNNING	397379.741036	0467

DISPLAYS = 63 06 62 +55633 -00X28 +00000 397380.000000

DISPLAYS = 63 06 62 +55633 -00X27 +00000 397381.000000

397381.7 1673035 49[illegible] - [illegible] - 2.02 - 7.22 - 0.18 359.95 - 0.16 - 0.01 - 0.54 5 0 0 591.1 60.32
110:23: 1 - 520 0.1 - [illegible] 6578.0 353.35 -279.97 107.17 107.17 0.01 - 1.09 - 4 0 0 18216 8.07
LANDING - 516365 1623.9 [illegible].00 - 7.0 43097 - 0.06 0.16 - 0.06 - 0.00 0.00 1 3 33999 5187

107437 CLOCK REQUEST @ REDTRACCS T1=15420 SECONDS RUNNING 397381.281060 9051

107447 CLOCK REQUEST @ PIPSCONE T1=15420 SECONDS RUNNING 397381.282237 8951

[illegible]7620[illegible] CLOCK REQUEST @ S[illegible]RVICER T1=15421 SECONDS RUNNING 397381.299498 7478

[illegible]1632 CLOCK REQUEST @ RECIMS T1=15473 SECONDS RUNNING 397381.711036 2360

DISPLAYS = 63 06 62 +55633 -00X26 +00000 397382.000000

DISPLAYS = 63 06 62 +55634 -00X25 +00000 397383.000000

SNAPSHOT 397383 SECONDS RUNNING 397383.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRLST DELTAV	RCS OPS	APOLU PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397383.2	1074028	4946.9 - [illegible]	- 23.3	- 7.19	- 0.21	359.92	- 0.19	- 0.01	- 0.54	4	0	0	591.1	60.32
110:23: 3 -	510	0.1 - [illegible]	5578.0	353.25	-179.84	107.19	107.19	0.01	- 1.09	- 5	0	0	18216	8.07
LANDING -	12155	1621.8	0.00 -	6.8	+3128	- 0.07	0.19	- 0.07	- 0.00	0.00	1	0	33999	5187

107437	CLOCK REQUEST @ READACCS	T1=15730	SECONDS RUNNING	397383.281048	8386
107447	CLOCK REQUEST @ PIPSCONE	T1=15730	SECONDS RUNNING	397383.282225	8285
076200	CLOCK REQUEST @ SERVICER	T1=15732	SECONDS RUNNING	397383.302689	6539
101632	CLOCK REQUEST @ VECINS	T1=16012	SECONDS RUNNING	397383.781036	5720

DISPLAYS = 63 06 62 +55634 -00X24 +00000 397384.000000

DISPLAYS = 63 06 62 +55634 -00X22 +00001 397385.000000

397385.2	1075015	4916.9 - [illegible]	- 26.5	- 7.17	- 0.24	359.91	- 0.23	- 0.01	- 0.54	5 -	1	0	591.1	60.32
110:23: 5 -	518	0.1 - [illegible]	5578.0	353.14	-179.71	107.21	107.21	0.01	- 1.09	- 4	1	0	18216	8.07
LANDING -	[illegible]	1622.7	[illegible] -	6.5	43159	- 0.08	0.22	- 0.08	- 0.00	0.00	1	4	33999	5187

107437	CLOCK REQUEST @ READACCS	T1=16240	SECONDS RUNNING	397385.281036	7720
107447	CLOCK REQUEST @ PIPSCONE	T1=16240	SECONDS RUNNING	397385.282213	7620
076200	CLOCK REQUEST @ SERVICER	T1=16242	SECONDS RUNNING	397385.303301	5820
101632	CLOCK REQUEST @ VEGINS	T1=16316	SECONDS RUNNING	397385.741036	8467

DISPLAYS = 63 06 6 +55634 -00X22 +00001 397386.000000

DISPLAYS = 63 06 62 +55634 -00X21 +00001 397387.000000

397387.2	1075395	4896.8 - [illegible]	- 29.6	- 7.14	- 0.27	359.90	- 0.26	- 0.01	- 0.65	4	0	0	591.1	60.32
110:23: 7 -	527	0.1 - [illegible]	5578.0	353.03	-179.58	107.23	107.23	0.01	- 1.09	- 4	0	0	18216	8.07
LANDING -	516.65	1623.7	[illegible] -	6.2	43191	- 0.09	0.26	- 0.09	- 0.00	0.00	1	0	33999	5187

107437	CLOCK REQUEST @ READACCS	T1=16550	SECONDS RUNNING	397387.281071	7050
107447	CLOCK REQUEST @ PIPSCONE	T1=16550	SECONDS RUNNING	397387.282249	6950
076200	CLOCK REQUEST @ SERVICER	T1=16551	SECONDS RUNNING	397387.299781	5454
101632	CLOCK REQUEST @ VEGINS	T1=16631	SECONDS RUNNING	397387.771036	5240

DISPLAYS = 63 06 6 +55634 -00X20 +00001 397388.000000

DISPLAYS = [illegible] 16 +55634 -00X19 +00001 397389.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (GMT/LE MEMBER) LANDING	V (CLOSED) METRIC UNITS		LATVEL FERVEL ALTRATE	LAT LONG ALT	YAW PITCH RCLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS CPS APS	APOLU PERILU
397389.2	1676.70	485.8 - 0.0[illegible] -	22.8 -	7.12 -	0.31	359.86 -	0.29 -	0.01 -	0.65	4 -	1	0	591.1	60.32
110:23:[illegible]9 -	20	0.1 - 0.00	5578.0	352.92	-179.45	107.25	107.25	0.01 -	1.09 -	5	1	0	18216	8.07
LANDING -	503415	1624.6	0.[illegible] -	5.5	43223 -	0.10	0.29 -	0.10 -	0.00	0.00	1	5	33999	5187
107437	CLOCK REQUEST @ REALACCS						T1=17060		SECONDS RUNNING				397389.281048	6386
107447	CLOCK REQUEST @ PIPSCONE						T1=17060		SECONDS RUNNING				397389.282225	6285
076200	CLOCK REQUEST @ [illegible]RVICER						T1=17062		SECONDS RUNNING				397389.303254	4491
101632	CLOCK REQUEST @ R[illegible]GINS						T1=17136		SECONDS RUNNING				397389.741036	7133
DISPLAYS =	63	06	52	+55634	-00X18	+00001								397390.000000
DISPLAYS =	63	06	62	+55634	-00X17	+00001								397391.000000
397391.2	1677.8	+82.7 - 0.0[illegible] -	35.0 -	7.09 -	0.34	359.87 -	0.32 -	0.01 -	0.65	5	0	0	591.1	60.32
110:23:11 -	510	0.1 - 0.00	5578.0	352.81	-179.32	107.27	107.27	0.01 -	0.98 -	4	0	0	18216	8.07
LANDING -	500167	1625.5	0.00 -	5.7	43256 -	0.11	0.32 -	0.12 -	0.00	0.00	1	0	33999	5187
107437	CLOCK REQUEST @ REALACCS						T1=17370		SECONDS RUNNING				397391.281095	5715
107447	CLOCK REQUEST @ PIPSCONE						T1=17370		SECONDS RUNNING				397391.282272	5615
076200	CLOCK REQUEST @ SERVICER						T1=17372		SECONDS RUNNING				397391.301806	3948
101632	CLOCK REQUEST @ BEGINS						T1=17451		SECONDS RUNNING				397391.771036	3907
DISPLAYS =	63	06	2[illegible]	+55634	-00X16	+00001								397392.000000
DISPLAYS =	63	06	67	+55634	-00X15	+00002								397393.000000
397393.2	1[illegible]	02	479.6 - 0.[illegible] -	39.1 -	7.06 -	0.37	359.86 -	0.36 -	0.01 -	0.65	4 -	2	0	591.1	60.32
110:23:13 -	516	0.1 - 0.[illegible]	5577.9	352.70	-179.18	107.29	107.29	0.01 -	0.98 -	5	2	0	18216	8.07
LANDING -	496909	1626.4	0.00 -	5.4	43289 -	0.12	0.35 -	0.13 -	0.00	0.00	1	4	33999	5187
107437	CLOCK REQUEST @ REALACCS						T1=17700		SECONDS RUNNING				397393.281060	5051
107447	CLOCK REQUEST @ PIPSCONE						T1=17700		SECONDS RUNNING				397393.282237	4951
076200	CLOCK REQUEST @ SERVICER						T1=17701		SECONDS RUNNING				397393.299769	3455
101632	CLOCK REQUEST @ BEGINS						T1=17756		SECONDS RUNNING				397393.741036	5800

DISPLAYS = [illegible] 06 [illegible] +55634 -00X14 +00002 397394.000000

DISPLAYS = [illegible] 06 [illegible] +55634 -00X13 +00002 397395.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STATE-MEMBER CODES) LANDING	V METRIC UNITS	A	LATVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	OGX OGY OGZ	THRUST OFLTAV MASS	RCS DPS APS	APOLU PERILU
397395.2 [illegible]	[illegible]	[illegible]	42.3	7.04	0.40	359.85	0.39	0.01	0.76	5	0	0	591.1	60.32
110:23:15 [illegible]	[illegible]	[illegible]	5577.9	352.59	-179.05	107.31	107.31	0.01	0.98	4	0	0	18216	8.07
LANDING [illegible]	1627.3	0.0	5.1	43323	0.13	0.35	0.14	0.00	0.00	1	0	33999	5187	

107437	CLOCK REQUEST @ FEADACCS	T1=20210	SECONDS RUNNING	397395.281048	4386
107447	CLOCK REQUEST @ PIPSDONE	T1=20210	SECONDS RUNNING	397395.282225	4285
076200	CLOCK REQUEST @ SERVICER	T1=20212	SECONDS RUNNING	397395.302984	2514
101632	CLOCK REQUEST @ RECIMS	T1=20271	SECONDS RUNNING	397395.771036	2573

DISPLAYS = 62 06 62 +55634 -00X12 +00002 397396.000000

DISPLAYS = 63 06 62 +55634 -00X11 +00002 397397.000000

397397.2 [illegible]	470.5	[illegible]	45.4	7.01	0.44	359.84	0.42	0.01	0.76	4	1	0	591.1	60.32
110:23:17 [illegible]	0.1	[illegible]	5577.9	352.48	-178.92	107.33	107.33	0.01	0.98	4	1	0	18216	8.07
LANDING [illegible]	1628.2	[illegible]	4.8	43357	0.15	0.42	0.15	0.00	0.00	1	5	33999	5187	

107437	CLOCK REQUEST @ FEADACCS	T1=20520	SECONDS RUNNING	397397.281048	3719
107447	CLOCK REQUEST @ PIPSDONE	T1=20520	SECONDS RUNNING	397397.282225	3619
076200	CLOCK REQUEST @ SERVICER	T1=20522	SECONDS RUNNING	397397.302371	1899
101632	CLOCK REQUEST @ RECIMS	T1=20573	SECONDS RUNNING	397397.711036	7027

DISPLAYS = 63 06 62 +55634 -00X10 +00002 397398.000000

DISPLAYS = 63 06 62 +55634 -00X09 +00002 397399.000000

397399.2 [illegible]	470.4	0.0	48.6	6.99	0.47	359.83	0.46	0.01	0.76	4	0	0	591.1	60.32
110:23:19 [illegible]	0.1	[illegible]	5577.4	352.37	-178.79	107.35	107.35	0.01	0.98	5	0	0	18216	8.07
LANDING [illegible]	1628.1	0.0	4.5	43392	0.16	0.45	0.16	0.00	0.00	1	0	33999	5187	

107437	CLOCK REQUEST @ FEADACCS	T1=21030	SECONDS RUNNING	397399.281166	3042
107447	CLOCK REQUEST @ PIPSDONE	T1=21030	SECONDS RUNNING	397399.282343	2942
076200	CLOCK REQUEST @ SERVICER	T1=21032	SECONDS RUNNING	397399.301229	1330

101[illegible]	CLCCK REQUEST [illegible]	T1=21111	SECONDS RUNNING	397399.771696	1184
DISPLAYS =	43 06 62 +55634 -00X09 +00002				397400.000000
DISPLAYS =	43 06 62 +55635 -00X07 +00002				397401.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A ALTRATE	LATVEL FORVEL ALT	LAT LONG RCLL	YAW PITCH BALL-Y	BALL-R BALL-P CCUZ	CCUX CCUY RRATE	PRATE QRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DCY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397401.62	[illegible]2690 467.3 - 0.1 -	51.7 -	6.96 -	0.50	359.81 -	0.49 -	0.01 -	0.87	3 -	1	0	590.0		60.13
110:23:21 -	515 0.1 - 0.0	5577.6	352.26	-178.67	107.36	107.36 -	0.00 -	0.87 -	4	1	0	18216		8.07
LANDING -	48884 1629.9 - 0.4 -	4.3	43428 -	0.17	0.48 -	0.38 -	0.00	0.00 -	6	4	33998	5187		

107457	CLCCK REQUEST [illegible] READACCS	T1=21340	SECONDS RUNNING	397401.281040	2386
107447	CLCCK REQUEST [illegible] PIPSDONE	T1=21340	SECONDS RUNNING	397401.282217	2286
07[illegible]206	CLCCK REQUEST [illegible] ERVICER	T1=21342	SECONDS RUNNING	397401.303942	0432
101[illegible]32	CLCCK REQUEST [illegible] LOGIMS	T1=21416	SECONDS RUNNING	397401.741036	3133
DISPLAYS =	63 [illegible] 62 +55635 -00X06 +00002				397402.000000

T = 397402.8026 ASTRONAUT SEES DESIRED DISPLAYS.

MODE 63 VERB 99 NOUN 02 FLASH 1 CK FAIL 0 PGM ALM 0 REL DSPLY 0
UPLINK R1 +55632 R2 - 5 R3 + 5

ASTRNAUT PERFORMS ACTION [illegible] 00660001 AT TIME 397402.8026

ASTRNAUT PERFORMS ACTION [illegible]00660030 AT TIME 397402.8026

DISPLAYS =	63 99 62 FLASH +55632 -00X05 +00005				397403.000000

397403.[illegible]	[illegible]3021	464.2 - 0.1 -	55.0 -	6.93 -	0.53	359.79 -	0.52 -	0.01 -	0.87	1	0	0	586.6		59.89
110:23:24 -	504	0.1 - 0.0	5577.3	352.16	-173.59	107.33	107.33 -	0.02 -	0.98 -	5	0	0	18216		8.07
LANDING -	[illegible]626	163[illegible].7 - 0.4 -	4.0	43464 -	0.19	0.52 -	0.20 -	0.01 -	0.10 -	9	0	33997	5187		

107457	CLCCK REQUEST [illegible] READACCS	T1=21650	SECONDS RUNNING	397403.281052	1719
107447	CLCCK REQUEST [illegible] PIPSDONE	T1=21650	SECONDS RUNNING	397403.282229	1618
07[illegible]206	CLCCK REQUEST [illegible] VICER	T1=21653	SECONDS RUNNING	397403.317589	8601
101[illegible]32	CLCCK REQUEST [illegible] LOGIMS	T1=21733	SECONDS RUNNING	397403.791036	8200
DISPLAYS =	63 99 62 FLASH +55632 -00X04 +00005				397404.000000

ASTRONAUT PRESSED ACTIVE [illegible] AT TIME 397404.8026

ASTRONAUT KEYSTROKE PROCEED

DISPLAYS = 62 49 62 +55600 -XXX03 +00008 397405.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	X / (STABLE MEMBER COORDS) / METRIC UNITS	V / Y	A / Z	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397405.0	84547	46.01 -	0.0 -	58.2 -	6.91 -	0.57	359.76 -	0.56 -	0.01 -	0.87	2 -	1	0	587.1	59.64
110:23:25 -	516	0.01 -	0.00	5576.9	352.05	-178.55	107.26	107.25 -	0.04 -	0.98 -	4	1	0	18216	8.07
LANDING -	47762	1631.6 -	0.04 -	3.7	43500 -	0.22	0.55 -	0.23 -	0.01 -	0.10 -	9	5	33995	5187	
107437	CLOCK REQUEST @ PALACCS							T1=22160			SECONDS RUNNING			397405.281040	1053
107447	CLOCK REQUEST @ PIPSDONE							T1=22160			SECONDS RUNNING			397405.282217	0953
176200	CLOCK REQUEST @ SERVICER							T1=22163			SECONDS RUNNING			397405.314222	8222
101153	CLOCK REQUEST @ ECIMS							T1=22240			SECONDS RUNNING			397405.761048	0092
DISPLAYS =	62 06 62			+55629	-00X02	+00008									397406.000000
DISPLAYS =	62 06 62			+55626	-00X01	+00012									397407.000000
397407.2	84560	458.0 -	0.0 -	61.0 -	6.88 -	0.60	359.73 -	0.58	0.01 -	0.98	1	0	0	585.6	59.39
110:23:27 -	516	0.01 -	0.00	5576.5	351.94	-178.55	107.15	107.14 -	0.06 -	1.09 -	5	0	0	18216	8.07
LANDING -	47410	1532.0 -	0.0 -	3.4	43538 -	0.26	0.56 -	0.27 -	0.02 -	0.10 -	9	0	33994	5187	
107437	CLOCK REQUEST @ PALACCS							T1=22470			SECONDS RUNNING			397407.281036	0387
107447	CLOCK REQUEST @ PIPSDONE							T1=22470			SECONDS RUNNING			397407.282214	0286
076200	CLOCK REQUEST @ SERVICER							T1=22471			SECONDS RUNNING			397407.290038	9619
101632	CLOCK REQUEST @ ECIMS							T1=22552			SECONDS RUNNING			397407.781078	7716
172410	CLOCK REQUEST @ LUNLANC							T1=22552			SECONDS RUNNING			397407.789542	6994
DISPLAYS =	63 06 63			+55622	-00X01	+49131									397408.000000
DISPLAYS =	63 06 63			+55622	-00035	+49131									397409.000000
397409.0	168679	454.0	0.0 -	57.9 -	6.85 -	0.56	359.85 -	0.56	0.01 -	0.87	2 -	1	0	585.3	59.32
110:23:29 -	513	0.01	0.00	5576.5	351.83	-178.41	107.18	107.18	0.05 -	1.09 -	3	1	0	18216	8.07
LANDING -	47613	163.0	0.0 -	3.2	43575 -	0.13	0.55 -	0.14	0.10	0.00 -	1	4	33993	5187	

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107437    CLOCK REQUEST @ READACCS                    T1=23000    SECONDS RUNNING    397409.281036    9720

107447    CLOCK REQUEST @ PIPSDONE                    T1=23000    SECONDS RUNNING    397409.282213    9620

076206    CLOCK REQUEST @ SERVICER                    T1=23000    SECONDS RUNNING    397409.289937    8960

      ***********************************************************
      LEM: DESCENT ENGINE THRUST HAS BEEN TURNED 1. (0=OFF,1=ON)    TIME =  397409.3947 SECONDS
      ***********************************************************

072410    CLOCK REQUEST @ LUNLAND                     T1=23051    SECONDS RUNNING    397409.698684    4081

101602    CLOCK REQUEST @ PROGIMS                     T1=23053    SECONDS RUNNING    397409.711041    3026

DISPLAYS =    63    06    63        +55621  -00033  +49124                                    397410.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME                V        A    LATVEL    LAT     YAW  BALL-R  CDUX   PRATE  ATT-X  DPPX  DGX  THRLST  RCS   APOLU
(STABLE MEMBER CLOCKS)          ECRVEL   LONG   PITCH  BALL-P  CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS      ALTRATE   ALT    ROLL  BALL-Y  CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

397411.2  [illegible]7285  451.0 - [illegible] -  54.7 -  6.83 -  0.53   0.04 -  0.52   0.01 - 0.87 -  15    0   1270  585.3   57.66
110:23:31 -    501     0.1 - 0.0[illegible]  5574.3  351.72 -178.31  107.17  107.17 - 0.07 - 1.09 -   5    0      2  18207    8.07
 LANDING - +67567  1633.3 - [illegible] -  3.0   43613    0.05    0.51    0.04   0.07   0.00 -  65    0  33985   5187

107437    CLOCK REQUEST @ READACCS                    T1=23310    SECONDS RUNNING    397411.281036    9053

107447    CLOCK REQUEST @ PIPSDONE                    T1=23310    SECONDS RUNNING    397411.282214    8953

076206    CLOCK REQUEST @ SERVICER                    T1=23310    SECONDS RUNNING    397411.289942    8293

072410    CLOCK REQUEST @ LUNLAND                     T1=23366    SECONDS RUNNING    397411.744446    9509

101602    CLOCK REQUEST @ PROGIMS                     T1=23371    SECONDS RUNNING    397411.771020    7241

DISPLAYS =    63    06    63        +55521  -00030  +49117                                    397412.000000

DISPLAYS =    63    06    63        +55594  -00030  +49117                                    397413.000000

397413.2  [illegible]186  448.3 - [illegible] -  51.3 -  6.80 -  0.50   0.07 -  0.49   0.01 - 0.87 -  17 -  2   1270  585.2   55.90
110:24:3[illegible] -    51     0.1 - [illegible]  5571.3  351.61 -178.40  106.97  106.97 - 0.09 - 1.31 -   5    1      4  18199    8.07
 LANDING - +66297  1633.6 - [illegible] -  2.8   43652    0.08    0.49    0.07   0.07   0.10 -  69    5  33976   5187

107437    CLOCK REQUEST @ READACCS                    T1=23620    SECONDS RUNNING    397413.281037    8387

107447    CLOCK REQUEST @ PIPSDONE                    T1=23620    SECONDS RUNNING    397413.282215    8286

076206    CLOCK REQUEST @ SERVICER                    T1=23620    SECONDS RUNNING    397413.289948    7626

072410    CLOCK REQUEST @ LUNLAND                     T1=23676    SECONDS RUNNING    397413.744477    8840
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1[illegible]	CLOCK REQUEST [illegible] PROGIMS	T1=23701	SECONDS RUNNING	397413.771039	6573

DISPLAYS = 63 06 [illegible] +55575 -00028 +49112 397414.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THPUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397415.[illegible]	1680.[illegible]	445.0 - [illegible] -	45.7 -	6.78 -	0.48	359.88 -	0.47	0.01 -	0.76 -	17	0	1270	585.2	54.14
110:23:35 -	512	[illegible]	5565.5	351.50	-178.41	106.85	106.85 -	0.00 -	1.42 -	4	0	7	18190	8.07
LANDING -	461020	1633.6 - [illegible] -	2.6	43691 -	0.10	0.46 -	0.12 -	0.10	0.00 -	69	3	33967	5187	

107437	CLOCK REQUEST @ READACCS	T1=24130	SECONDS RUNNING	397415.281036	7720
107447	CLOCK REQUEST @ PIPSDONE	T1=24130	SECONDS RUNNING	397415.282214	7620
076206	CLOCK REQUEST @ SERVICER	T1=24130	SECONDS RUNNING	397415.289942	6960
072410	CLOCK REQUEST @ LUNLAND	T1=24202	SECONDS RUNNING	397415.707826	1301
[illegible]	CLOCK REQUEST @ PROGIMS	T1=24206	SECONDS RUNNING	397415.741094	8462

DISPLAYS = 63 06 63 +55551 -00026 +49106 397416.000000

397417.[illegible]	1690[illegible]	441.7 - 0.10 -	47.3 -	6.75 -	0.46	359.70 -	0.45	0.01 -	0.76 -	17	0	1270	585.2	52.38
110:23:37 -	499	0.1 - 0.00	5567.1	351.39	-178.26	106.86	106.88	0.04 -	1.42 -	5	0	9	18181	8.07
LANDING -	457763	1633.7 - 0.35 -	2.4	43730 -	0.28	0.44 -	0.29 -	0.05 -	0.10 -	69	0	33958	5187	

107437	CLOCK REQUEST @ READACCS	T1=24440	SECONDS RUNNING	397417.281036	7053
107447	CLOCK REQUEST @ PIPSDONE	T1=24440	SECONDS RUNNING	397417.282214	6953
076206	CLOCK REQUEST @ SERVICER	T1=24440	SECONDS RUNNING	397417.289942	6293
101632	CLOCK REQUEST @ PROGIMS	T1=24522	SECONDS RUNNING	397417.781053	4385
072410	CLOCK REQUEST @ LUNLAND	T1=24522	SECONDS RUNNING	397417.786401	3929

DISPLAYS = 63 06 63 +55527 -00025 +49101 397418.000000

397419.2	1690847	438.4 - 0.10 -	44.7 -	6.72 -	0.43	359.64 -	0.41	0.01 -	0.76 -	16 -	1	1270	585.2	50.62
110:23:3[illegible] -	51[illegible]	0.1 - 0.00	5564.8	351.29	-178.05	106.99	106.99	0.05 -	1.31 -	5	0	12	18172	8.07
LANDING -	454495	1633.9 - 0.35 -	2.2	43770 -	0.35	0.41 -	0.36 -	0.00 -	0.21 -	70	5	33950	5187	

107437	CLOCK REQUEST @ READACCS	T1=24750	SECONDS RUNNING	397419.281036	6387
107447	CLOCK REQUEST @ PIPSDONE	T1=24750	SECONDS RUNNING	397419.282214	6286
076[illegible]	CLOCK REQUEST @ SERVICER	T1=24750	SECONDS RUNNING	397419.289942	5627

101[illegible]	CLOCK REQUEST @ [illegible]GINS	T1=25031	SECONDS RUNNING	397419.771040	4573
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=25032	SECONDS RUNNING	397419.786837	3225

DISPLAYS = 63 06 6[illegible] +55503 -00023 +49096 397420.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	LATVEL FERVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COLX COUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS OPS	APOLU PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397421.02	1652722	435.1 - 0.[illegible] -	41.6 -	6.70 -	0.40	359.66 -	0.38	0.01 -	0.76 -	16 -	1	1270	585.2	48.87
110:23:41 -	511	0.1 - 0.00	5562.4	351.18	-177.81	107.11	107.11	0.06 -	1.20 -	5	0	14	18163	8.07
LANDING -	451229	1634.0 - 0.3[illegible] -	260	43810 -	0.32	0.38 -	0.34	0.02 -	0.21 -	69	3	33941	5187	
107437	CLOCK REQUEST @ READACCS					T1=25260		SECONDS RUNNING				397421.281036		5720
107447	CLOCK REQUEST @ PIPSOONE					T1=25260		SECONDS RUNNING				397421.282214		5620
07620[illegible]	CLOCK REQUEST @ SERVICER					T1=25260		SECONDS RUNNING				397421.289942		4960
7241	CLOCK REQUEST @ LUNLAND					T1=25332		SECONDS RUNNING				397421.708073		9280
101632	CLOCK REQUEST @ [illegible]GINS					T1=25336		SECONDS RUNNING				397421.741046		6466

DISPLAYS = 63 06 6[illegible] +55479 -00021 +49092 397422.000000

397423.02	1652587	421.6 - 0.4[illegible] -	38.6 -	6.67 -	0.37	359.73 -	0.36	0.01 -	0.65 -	17	0	1270	585.2	47.13
110:23:43 -	408	0.1 - 0.00	5550.0	351.07	-177.56	107.25	107.25	0.07 -	1.09 -	5	0	16	18154	8.07
LANDING -	447561	1634.1 - 0.3[illegible] -	1.0[illegible]	43850 -	0.25	0.35 -	0.26	0.04 -	0.10 -	69	0	33932	5187	
107437	CLOCK REQUEST @ READACCS					T1=25570		SECONDS RUNNING				397423.281036		5053
107447	CLOCK REQUEST @ PIPSOONE					T1=25570		SECONDS RUNNING				397423.282214		4953
07620[illegible]	CLOCK REQUEST @ SERVICER					T1=25570		SECONDS RUNNING				397423.289942		4293
101632	CLOCK REQUEST @ [illegible]GINS					T1=25652		SECONDS RUNNING				397423.781052		2385
07241[illegible]	CLOCK REQUEST @ LUNLAND					T1=25653		SECONDS RUNNING				397423.793045		1362

DISPLAYS = 63 06 6[illegible] +55455 -00020 +49008 397424.000000

397425.02	1[illegible]0448	42[illegible].5 - 0.[illegible] -	35.5 -	6.64 -	0.33	359.83 -	0.32	0.01 -	0.65 -	17 -	1	1270	585.2	45.38
110:23:45 -	509	0.1 - 0.00	5557.5	350.96	-177.28	107.42	107.42	0.08 -	0.87 -	5	1	19	18145	8.07
LANDING -	444688	1634.2 - 0.[illegible] -	1.8	43891 -	0.16	0.32 -	0.16	0.05	0.00 -	69	5	33923	5187	
107437	CLOCK REQUEST @ READACCS					T1=26100		SECONDS RUNNING				397425.281036		4387
107447	CLOCK REQUEST @ PIPSOONE					T1=26100		SECONDS RUNNING				397425.282214		4286

[illegible]	CLOCK REQUEST [illegible] SERVICER	T1=26100	SECONDS RUNNING	397425.289942	3627
[illegible]	CLOCK REQUEST [illegible]GINS	T1=26161	SECONDS RUNNING	397425.771016	2575
[illegible]	CLOCK REQUEST @ LUNLAND	T1=26162	SECONDS RUNNING	397425.785588	1332

DISPLAYS = 63 06 [illegible] +55431 -00018 +49084 397426.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NM, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL EORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRLST DELTAV MASS	RCS DPS APS	APOLU PERILU
397427.2	165432	425.2 - 2.10	- 32.5 -	6.62 -	0.30	355.94 -	0.29	0.01 -	0.65 -	17 -	1	1270	585.2	43.65
110: 3:47 -	509	0.1 - 0.0	5555.2	350.85	-177.00	107.59	107.60	0.08 -	0.76 -	4	0	21	18136	8.07
LANDING -	421421	1634.3 - 3.25 -	1.7	43931 -	0.04	0.29 -	0.05	0.05	0.00 -	70	3	33914	5187	

107437	CLOCK REQUEST @ READACCS	T1=26410	SECONDS RUNNING	397427.281036	3720
107447	CLOCK REQUEST @ PIPSDONE	T1=26410	SECONDS RUNNING	397427.282214	3620
076206	CLOCK REQUEST @ SERVICER	T1=26410	SECONDS RUNNING	397427.289942	2960
72410	CLOCK REQUEST @ LUNLAND	T1=26462	SECONDS RUNNING	397427.707731	7309
[illegible] 1632	CLOCK REQUEST @ [illegible]GINS	T1=26466	SECONDS RUNNING	397427.741105	4461

DISPLAYS = 63 06 63 +55406 -00017 +49081 397428.000000

397429.2	[illegible]149	421.9 - 2.10	- 29.6 -	6.59 -	0.27	355.98 -	0.26	0.01 -	0.65 -	17	0	1270	585.2	41.91
110:23:49 -	497	0.1 - [illegible]	5552.0	350.74	-176.72	107.76	107.76	0.07 -	0.54 -	5	0	24	18128	8.07
LANDING -	438152	1634.4 - 2.28 -	1.6	43572 -	0.00	0.26 -	0.01 -	0.01	0.00 -	69	0	33905	5187	

107437	CLOCK REQUEST @ READACCS	T1=26720	SECONDS RUNNING	397429.281036	3053
107447	CLOCK REQUEST @ PIPSDONE	T1=26720	SECONDS RUNNING	397429.282214	2953
076206	CLOCK REQUEST @ SERVICER	T1=26720	SECONDS RUNNING	397429.289942	2293
[illegible] 1632	CLOCK REQUEST @ [illegible]GINS	T1=27002	SECONDS RUNNING	397429.781267	0367
72410	CLOCK REQUEST @ LUNLAND	T1=27002	SECONDS RUNNING	397429.786109	9954

DISPLAYS = 63 06 63 +55382 -00017 +49077 397430.000000

DISPLAYS = 63 06 63 +55382 -00016 +49077 397431.000000

397431.2	[illegible]	418.6 - 2.07	- 26.3 -	6.56 -	0.25	355.80 -	0.24	0.01 -	0.54 -	18 -	1	1270	585.2	40.18
110:26:31 -	[illegible]	0.1 - 0.0	5550.4	350.63	-176.47	107.90	107.89	0.06 -	0.43 -	4	0	26	18119	8.07
LANDING -	4[illegible]	1634.6 - 2.6 -	1.6	44013 -	0.10	0.23 -	0.10 -	0.07	0.00 -	69	5	33856	5187	

107437	CLOCK REQUEST @ [illegible]ICCS	T1=27230	SECONDS RUNNING	397431.281036	2387
107447	CLOCK REQUEST @ FIRSTONE	T1=27230	SECONDS RUNNING	397431.282214	2286
076208	CLOCK REQUEST @ [illegible] VICER	T1=27230	SECONDS RUNNING	397431.289942	1627
072410	CLOCK REQUEST @ TUNLAND	T1=27306	SECONDS RUNNING	397431.743898	2889
101632	CLOCK REQUEST @ [illegible]UGINS	T1=27311	SECONDS RUNNING	397431.771038	0573

DISPLAYS = [illegible] 06 [illegible] +[illegible] -[illegible] +45074 397432.000000

SNAPSHOT [illegible]7433 SECONDS RUNNING 397433.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE [illegible])	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
		FCRVEL	LONG	PITCH	BALL-P	CDUY	CRATE	ATT-Y	CPPY	DGY	CELTAV	OPS	PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397432.2	1656.23	415.3 -	3.16 -	24.4 -	6.54 -	0.22	359.68 -	0.20	0.01 -	0.54 -	17	0	1409	585.2	38.45
110:23:53 -	5.9	3.1 -	3.00	5548.0	350.53	-176.26	108.00	108.00	0.03 -	0.32 -	5	0	28	18110	8.07
LANDING -	431616	1634.6 -	3.53 -	1.5	44054 -	0.31	0.20 -	0.31 -	0.11 -	0.10 -	69	3	33887	5187	

107437	CLOCK REQUEST @ READACCS	T1=27540	SECONDS RUNNING	397433.281077	1717
107447	CLOCK REQUEST @ PIPSDONE	T1=27540	SECONDS RUNNING	397433.282301	1612
076200	CLOCK REQUEST @ SERVICER	T1=27541	SECONDS RUNNING	397433.290332	0927
072410	CLOCK REQUEST @ LUNLAND	T1=27614	SECONDS RUNNING	397433.726595	3699
101632	CLOCK REQUEST @ RECDIMS	T1=27617	SECONDS RUNNING	397433.751296	1591
073427	CLOCK REQUEST @ LISPEXIT	T1=27721	SECONDS RUNNING	397434.415605	4903

DISPLAYS = 63 06 62 +55334 -00015 +49071 397435.000000

TIME	V (STABLE [illegible])	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
		FCRVEL	LONG	PITCH	BALL-P	CDUY	CRATE	ATT-Y	CPPY	DGY	CELTAV	OPS	PERILU
397435.2	1657652	41[illegible].9 - 3.00 -	21.0 -	6.51 -	0.19	359.79 -	0.18	0.02 -	0.00 -	118	0	9777	585.2	29.03
110:2[illegible]:55 -	488	3.1 -	3.01	5534.8	350.42	-176.12	108.03	108.02	0.03 -	0.54 -	7	0	42	18063	8.06
LANDING -	72341	1631.5 -	2.73 -	2.1	44095 -	0.20	0.17 -	0.20	0.41 -	0.21 -	384	0	33840	5187	

107437	CLOCK REQUEST @ READACCS	T1=30050	SECONDS RUNNING	397435.281081	1050
107447	CLOCK REQUEST @ PIPSDONE	T1=30050	SECONDS RUNNING	397435.282310	0945
076200	CLOCK REQUEST @ SERVICER	T1=30051	SECONDS RUNNING	397435.290371	0257
101632	CLOCK REQUEST @ RECDIMS	T1=30133	SECONDS RUNNING	397435.794847	7208
072410	CLOCK REQUEST @ LUNLAND	T1=30135	SECONDS RUNNING	397435.813870	5585
073427	CLOCK REQUEST @ LISPEXIT	T1=30241	SECONDS RUNNING	397436.491936	7723

DISPLAYS = 63 6 63 +55202 -00022 +49067 397437.000000

TIME	V (STABLE [illegible])	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
		FCRVEL	LONG	PITCH	BALL-P	CDUY	CRATE	ATT-Y	CPPY	DGY	CELTAV	OPS	PERILU
397437.2	1658472	406.1 -	3.86 -	15.9 -	6.48 -	0.13	1.38 -	0.12	0.03 -	0.00 -	168 -	2	9835	585.2	15.95
110:2[illegible]:57 -	495	3.1	3.00	5510.1	350.31	-175.47	108.57	108.56	0.54	0.00	0	0	60	17998	8.03
LANDING -	425069	1626.9 -	2.71 -	3.3	44133	1.39	0.12	1.38	1.04	0.98 -	541	7	33776	5187	

107437	CLOCK REQUEST @ READACCS	T1=30360	SECONDS RUNNING	397437.281083	0383
107447	CLOCK REQUEST @ PIPSDONE	T1=30360	SECONDS RUNNING	397437.282314	0278
076200	CLOCK REQUEST @ SERVICER	T1=30361	SECONDS RUNNING	397437.290391	9588

1 1632	CLOCK REQUEST @ RECINS	T1=30443	SECONDS RUNNING	397437.791060	6865
07241C	CLOCK REQUEST @ LUNLAND	T1=30444	SECONDS RUNNING	397437.808407	5384
07342 7	CLOCK REQUEST @ DISPEXIT	T1=30544	SECONDS RUNNING	397438.444816	1077

DISPLAYS = 3 06 63 +55015 -00033 +49062 397439.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-P / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	OPPX / OPPY / OPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / OPS / APS	APOLU / PERILU
397439.6	1649 79	401.2 -	0.3 -	14.4 -	6.46 -	0.12	1.70 -	0.10	0.00 -	0.00 -	170	0	9836	584.9	8.19
110:23:59 -	493	.2	0.0	5497.5	350.20	-175.13	108.80	108.79	0.09	0.65	5 -	3	79	17934	2.91
LANDING -	421322	1622.2 -	2.71 -	4.5	44165	1.70	0.10	1.70 -	0.04	1.64 -	541	5	33711	5187	

107437	CLOCK REQUEST @ READACCS	T1=30670	SECONDS RUNNING	397439.281081	9716
107447	CLOCK REQUEST @ PIPSDONE	T1=30670	SECONDS RUNNING	397439.282310	9611
07620E	CLOCK REQUEST @ SERVICER	T1=30671	SECONDS RUNNING	397439.290372	8923
101632	CLOCK REQUEST @ RECINS	T1=30753	SECONDS RUNNING	397439.793608	5981
07241	CLOCK REQUEST @ LUNLAND	T1=30754	SECONDS RUNNING	397439.803753	5115
0734 7	CLOCK REQUEST @ DISPEXIT	T1=31053	SECONDS RUNNING	397440.433864	1345

DISPLAYS = 63 06 61 +54828 -00045 +49054 397441.000000

397441.62	1770.77	396.3 -	0.9 -	13.7 -	6.43 -	0.12	1.52 -	0.10 -	0.00 -	0.00 -	176	0	9836	584.8	8.13
110:24: 1 -	497	0.4	0.0	5478.8	350.10	-174.96	108.87	108.86 -	0.04	1.09	11 -	3	98	17869 -	9.71
LANDING -	418583	1617.6 -	2.71 -	6.0	44202	1.53	0.10	1.52 -	0.15	1.75 -	542	6	33646	5187	

1 7437	CLOCK REQUEST @ EADACCS	T1=31200	SECONDS RUNNING	397441.281081	9050
107447	CLOCK REQUEST @ PIPSDONE	T1=31200	SECONDS RUNNING	397441.282310	8945
762 6	CLOCK REQUEST @ SERVICER	T1=31201	SECONDS RUNNING	397441.290372	8257
10163	CLOCK REQUEST @ RECINS	T1=31263	SECONDS RUNNING	397441.791904	5459
07241	CLOCK REQUEST @ LUNLAND	T1=31264	SECONDS RUNNING	397441.809309	3974
0734 7	CLOCK REQUEST @ DISPEXIT	T1=31363	SECONDS RUNNING	397442.437691	0352

DISPLAYS = 06 3 +54641 -00061 +49044 397443.000000

397443.6	1700.5	391.4 -	0.0 -	13.1 -	6.41 -	0.12	1.10 -	0.10 -	0.00 -	0.00 -	175 -	1	9837	584.8	8.12
110:24: 3 -	493	0.5	0.0	5460.1	349.99	-175.10	108.61	108.61 -	0.22	1.53	8 -	2	117	17804 -	22.21

LANDING - [illegible] - [illegible] - 7.6 44232 1.12 0.10 1.10 - 0.29 1.04 - 542 5 33582 5187

107437	CLOCK REQUEST @ FEADACCS	T1=31510	SECONDS RUNNING	397443.281082	8383
107447	CLOCK REQUEST @ PIPSOONE	T1=31510	SECONDS RUNNING	397443.282311	8278
07620C	CLOCK REQUEST @ SERVICER	T1=31511	SECONDS RUNNING	397443.290378	7590
101632	CLOCK REQUEST @ RCGIMS	T1=31573	SECONDS RUNNING	397443.791381	4837
072410	CLOCK REQUEST @ LUNLAND	T1=31574	SECONDS RUNNING	397443.801532	3971
07343[illegible]	CLOCK REQUEST @ CISPEXIT	T1=31673	SECONDS RUNNING	397444.434487	9959

DISPLAYS = 63 06 6[illegible] +54454 -00077 +49030 397445.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) / METRIC UNITS	V	A	LATVEL / ECRVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	CPPX / DPPY / DPPZ	OGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLO / PERILU
397445.2	1701643	386.5 -	0.6 -	13.3 -	6.38 -	0.12	0.40 -	0.10 -	0.00 -	0.00 -	172	0	9838	584.8	8.12
110:24: [illegible] -	491	0.5	0.01	5441.2	349.88	-175.65	107.96	107.96 -	0.40	1.53	2 -	3	136	17740 -	34.53
LANDING -	412129	1608.2 -	2.74 -	5.2	44259	0.42	0.11	0.40 -	0.36	1.20 -	545	5	33517	5187	
107437	CLOCK REQUEST @ FEADACCS							T1=32020		SECONDS RUNNING			397445.281082		7716
107447	CLOCK REQUEST @ PIPSOONE							T1=32020		SECONDS RUNNING			397445.282311		7611
07620C	CLOCK REQUEST @ SERVICER							T1=32021		SECONDS RUNNING			397445.290378		6923
101632	CLOCK REQUEST @ RCGIMS							T1=32103		SECONDS RUNNING			397445.791075		4197
072410	CLOCK REQUEST @ LUNLAND							T1=32104		SECONDS RUNNING			397445.806625		2870
073437	CLOCK REQUEST @ CISPEXIT							T1=32203		SECONDS RUNNING			397446.439550		8860
DISPLAYS =	52 06 6[illegible]			+54266 -00092 +49013											397447.000000
397447.2	702411	381.7 -	0.[illegible] -	14.6 -	6.35 -	0.14	356.72 -	0.13 -	0.00 -	0.00 -	164 -	1	9839	584.8	8.12
110:24: 7 -	487	0.5 -	0.1	5422.4	349.78	-176.46	107.04	107.03 -	0.48	1.31 -	5 -	3	154	17675 -	46.69
LANDING -	408515	1603.4 -	2.76 -	10.6	44282 -	0.25	0.12 -	0.27 -	0.30	0.65 -	549	5	33452	5187	
107437	CLOCK REQUEST @ FEADACCS							T1=32330		SECONDS RUNNING			397447.281082		7049
107447	CLOCK REQUEST @ PIPSOONE							T1=32330		SECONDS RUNNING			397447.282311		6945
076[illegible]	CLOCK REQUEST @ SERVICER							T1=32331		SECONDS RUNNING			397447.290378		6256
101[illegible]	CLOCK REQUEST @ RCGIMS							T1=32413		SECONDS RUNNING			397447.792196		3434

[illegible]7241	CLCCK REQUEST @ LUNLANC	TI=32414	SECONDS RUNNING	397447.807387	2138
073437	CLCCK REQUEST @ DISPEXIT	TI=32513	SECONDS RUNNING	397448.437002	8411

DISPLAYS = 63 06 +54C78 -CC107 +48593 397449.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	PALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	OGX / OGY / OGZ	THRUST / DELTAV / MASS	RCS / OPS / APS	APOLU / PERILU
397449.[illegible]	7[illegible]317C	377.0 - 0.77 -	16.6 -	6.32 -	0.16	355.27 -	0.14 -	0.00 -	0.00 -	155	0	9839	584.8	8.11
110:24:[illegible]	490	0.[illegible] - 0.[illegible]	5403.5	349.67	-177.32	106.07	106.07 -	0.44	0.87 -	10 -	3	173	17611 -	58.68
LANDING -	405718	159[illegible].6 - 2.73 -	11.9	44302 -	0.70	0.14 -	0.72 -	0.13	0.21 -	553	6	33388	5187	

107437	CLCCK REQUEST @ READACCS	TI=32640	SECONDS RUNNING	397449.281082	6383
107447	CLCCK REQUEST @ PIPSDONE	TI=32640	SECONDS RUNNING	397449.282311	6278
[illegible]76200	CLCCK REQUEST @ SERVICER	TI=32641	SECONDS RUNNING	397449.290378	5590
[illegible]01632	CLCCK REQUEST @ RUGIMS	TI=32723	SECONDS RUNNING	397449.791077	2863
[illegible]7241C	CLCCK REQULST @ LUNLANC	TI=32724	SECONDS RUNNING	397449.805423	1639
073437	CLCCK REQUEST @ DISPEXIT	TI=33023	SECONDS RUNNING	397450.436095	7822

DISPLAYS = 63 06 [illegible] +53889 -CC119 +48571 397451.000000

397451.[illegible]	170 2C	372.4 - 0.74 -	17.8 -	6.30 -	0.17	359.24 -	0.15	0.00 -	0.00 -	148 -	1	9840	584.8	8.11
110:24:11 -	4[illegible]6	[illegible].4 - 0.[illegible]4	5564.5	349.57	-178.00	105.28	105.28 -	0.32	0.43 -	13 -	2	192	17546 -	70.51
LANDING -	402522	1593.7 - 0.[illegible] -	12.9	44320 -	0.73	0.15 -	0.75	0.11 -	0.00 -	556	5	33323	5187	

107437	CLCCK REQUEST @ READACCS	TI=33150	SECONDS RUNNING	397451.261081	5716
107447	CLCCK REQUEST @ PIPSDONE	TI=33150	SECONDS RUNNING	397451.282310	5611
[illegible]76200	CLCCK REQUEST @ SERVICER	TI=33151	SECONDS RUNNING	397451.290371	4923
101632	CLCCK REQUEST @ RUGIMS	TI=33233	SECONDS RUNNING	397451.791087	2196
[illegible]7241C	CLCCK REQUEST @ LUNLANC	TI=33234	SECONDS RUNNING	397451.804654	1038
073437	CLCCK REQUEST @ DISPEXIT	TI=33333	SECONDS RUNNING	397452.434869	7260

DISPLAYS = 63 06 63 +53699 -CC129 +48546 397452.000000

397452.7	170466C	367.8 - 0.71 -	17.3 -	6.28 -	0.16	355.46 -	0.15	0.00 -	0.00 -	141 -	1	9841	584.6	8.10
110:24:1[illegible] -	488	0.[illegible] - 0.[illegible]	5565.5	349.46	-178.35	104.83	104.83 -	0.17	0.32 -	12 -	3	211	17481 -	82.17
LANDING -	[illegible]9346	1589.9 - 2.71 -	12.8	44336 -	0.52	0.15 -	0.53	0.08	0.10 -	559	6	33259	5187	

107437	CLOCK REQUEST @ PADACCS	T1=33460	SECONDS RUNNING	397453.281081	5050
107447	CLOCK REQUEST @ PIPSDONE	T1=33460	SECONDS RUNNING	397453.282310	4945
076200	CLOCK REQUEST @ SERVICER	T1=33461	SECONDS RUNNING	397453.290371	4257
101632	CLOCK REQUEST @ BLOGIMS	T1=33543	SECONDS RUNNING	397453.791638	1482
072410	CLOCK REQUEST @ LUNLANC	T1=33544	SECONDS RUNNING	397453.804893	0351
073437	CLOCK REQUEST @ DISPEXIT	T1=33643	SECONDS RUNNING	397454.432907	6760

DISPLAYS = 52 06 63 +53509 -00138 +48920 397455.000019

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397455.2	1705391	363.2	- 2.70	- 17.2	- 6.25	- 0.16	255.66	- 0.15	0.00	- 0.00	- 138	0	9842	584.8	8.10
110:24:15	- 488	0.3	- [illegible]	554.5	349.36	-178.50	104.57	104.56	- 0.09	0.32	- 9	- 3	230	17417	- 93.67
LANDING	- 56165	1584.0	- 2.91	- 14.9	44350	- 0.22	0.14	- 0.24	0.07	0.10	- 561	5	33194	5187	

107437	CLOCK REQUEST @ PADACCS	T1=33770	SECONDS RUNNING	397455.281081	4383
107447	CLOCK REQUEST @ PIPSDONE	T1=33770	SECONDS RUNNING	397455.282310	4278
076200	CLOCK REQUEST @ SERVICER	T1=33771	SECONDS RUNNING	397455.290371	3590
101632	CLOCK REQUEST @ BLOGIMS	T1=34053	SECONDS RUNNING	397455.791051	0865
072410	CLOCK REQUEST @ LUNLANC	T1=34054	SECONDS RUNNING	397455.805475	9635
073437	CLOCK REQUEST @ DISPEXIT	T1=34153	SECONDS RUNNING	397456.433645	6031

DISPLAYS = 63 06 63 +53319 -00148 +48891 397457.000000

397457.2	1706119	358.0	- 3.07	- 16.9	- 6.22	- 0.15	255.75	- 0.14	0.00	- 0.00	- 136	- 1	9842	584.8	8.10
110:24:17	- 482	0.4	- 3.01	5327.4	349.29	-178.68	104.28	104.28	- 0.16	0.32	- 8	- 3	249	17352	-105.00
LANDING	- 56332	1579.0	- 2.92	- 15.7	44362	- 0.23	0.14	- 0.24	0.03	0.21	- 563	5	33129	5187	

107437	CLOCK REQUEST @ PADACCS	T1=34300	SECONDS RUNNING	397457.281081	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=34300	SECONDS RUNNING	397457.282310	3611
076200	CLOCK REQUEST @ SERVICER	T1=34301	SECONDS RUNNING	397457.290371	2923
101632	CLOCK REQUEST @ BLOGIMS	T1=34362	SECONDS RUNNING	397457.781051	1052
072410	CLOCK REQUEST @ LUNLANC	T1=34364	SECONDS RUNNING	397457.802391	9231
073437	CLOCK REQUEST @ DISPEXIT	T1=34463	SECONDS RUNNING	397458.433475	5379

DISPLAYS = [illegible] 06 6 +53128 -00157 +48861 397459.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LAT/VEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397459.[illegible]	716826	354.3 - [illegible]	16.[illegible] -	6.20 -	0.15	359.84 -	0.14	0.00 -	0.00 -	133	0	9843	584.8	8.09
110:24:3[illegible] -	485	0.2 - [illegible]	5306.3	349.15 -	178.99	103.86	103.86 -	0.20	0.21 -	8 -	3	269	17287	-116.17
LANDING -	389853	1574.1 - [illegible]	16.7	44372 -	0.14	0.13 -	0.15	0.02	0.21 -	565	6	33065	5187	

107437	CLOCK REQUEST a RADACCS	T1=34610	SECONDS RUNNING	397459.281081	3050
107447	CLOCK REQUEST a PIPSCENE	T1=34610	SECONDS RUNNING	397459.282310	2945
076200	CLOCK REQUEST a SERVICER	T1=34611	SECONDS RUNNING	397459.290371	2257
10163	CLOCK REQUEST a RCGIMS	T1=34673	SECONDS RUNNING	397459.791041	9533
072410	CLOCK REQUEST a LUNLAND	T1=34674	SECONDS RUNNING	397459.809532	7955
073437	CLOCK REQUEST a DISPEXIT	T1=34773	SECONDS RUNNING	397460.436869	4422

DISPLAYS = 63 06 6 +52937 -00166 +48828 397461.000006

397461.[illegible]	1707531	349.8 - 0.66 -	16.0 -	6.17 -	0.14	359.91 -	0.13	0.00 -	0.00 -	130 -	1	9844	584.8	8.09
110:24:[illegible] -	482	0.2 - [illegible]	5289.2	349.05 -	179.08	103.67	103.67 -	0.07	0.32 -	6 -	2	288	17223	-127.18
LANDING -	56706	1569.1 - 2.84 -	17.6	44380 -	0.08	0.13 -	0.08	0.01	0.21 -	567	5	33000	5187	

107437	CLOCK REQUEST a RADACCS	T1=35120	SECONDS RUNNING	397461.281081	2383
107447	CLOCK REQUEST a PIPSCENE	T1=35120	SECONDS RUNNING	397461.282310	2278
76200	CLOCK REQUEST a SERVICER	T1=35121	SECONDS RUNNING	397461.290371	1590
10163	CLOCK REQUEST a RCGIMS	T1=35203	SECONDS RUNNING	397461.791691	8811
072410	CLOCK REQUEST a LUNLAND	T1=35204	SECONDS RUNNING	397461.801836	7945
073437	CLOCK REQUEST a DISPEXIT	T1=35302	SECONDS RUNNING	397462.428440	4475

DISPLAYS = 63 06 6 +52746 -00176 +48754 397463.000000

397463.[illegible]	1707226	349.4 - 0.65 -	15.7 -	6.15 -	0.14	359.87 -	0.13	0.00 -	0.00 -	129	0	9845	584.8	8.08
110:24:23 -	484	0.2 - 0.01 -	5270.0	348.94 -	179.24	102.41	103.40 -	0.17	0.32 -	6 -	3	307	17158	-138.04
LANDING -	383573	1564.1 - [illegible] -	16.6	44386 -	0.11	0.12 -	0.13 -	0.04	0.21 -	568	6	32935	5187	

107437	CLOCK REQUEST a RADACCS	T1=35430	SECONDS RUNNING	397463.281081	1716
107447	CLOCK REQUEST a PIPSCENE	T1=35430	SECONDS RUNNING	397463.282310	1611

76211	CLOCK REQUEST @ SERVICER	T1=35431	SECONDS RUNNING	397463.290371	0923
101632	CLOCK REQUEST @ RDGIMS	T1=35513	SECONDS RUNNING	397463.791054	8199
072410	CLOCK REQUEST @ LUNLAND	T1=35514	SECONDS RUNNING	397463.805280	6985
073437	CLOCK REQUEST @ DISPEXIT	T1=35613	SECONDS RUNNING	397464.436018	3162

DISPLAYS = 63 06 61 +52554 -00186 +48759 397465.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	F (STABLE MEMBER) / METRIC UNITS	V (CDCRD)	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / CRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397465.2	17 8913	340.9	0.6	- 15.7	- 6.12	- 0.14	359.78	- 0.13	0.00	- 0.00	- 125	- 1	9845	584.8	8.08
110:24:25	- 481	0.2	0.0	5250.8	348.84	-179.56	102.98	102.98	- 0.22	0.32	- 7	- 3	326	17093	-148.75
LANDING	- 38 451	156.1	- 2.96	- 15.5	44390	- 0.21	0.12	- 0.21	- 0.04	0.10	- 570	5	32870	5187	

107437	CLOCK REQUEST @ [illegible]ADACCS	T1=35740	SECONDS RUNNING	397465.281081	1050
107447	CLOCK REQUEST @ PIPSDONE	T1=35740	SECONDS RUNNING	397465.282310	0945
76211	CLOCK REQUEST @ SERVICER	T1=35741	SECONDS RUNNING	397465.290371	0257
101632	CLOCK REQUEST @ RDGIMS	T1=36023	SECONDS RUNNING	397465.792565	7403
072410	CLOCK REQUEST @ LUNLAND	T1=36024	SECONDS RUNNING	397465.805795	6274
073437	CLOCK REQUEST @ DISPEXIT	T1=36123	SECONDS RUNNING	397466.433354	2722

DISPLAYS = 63 06 63 +52362 -00195 +48720 397467.000019

397467.2	17 5590	336.6	- 0.6	- 15.5	- 6.10	- 0.13	359.72	- 0.13	0.00	- 0.00	- 122	0	9846	584.8	8.07
110:24:27	- 483	0.1	- 0.0	5231.5	348.74	-179.67	102.77	102.76	- 0.03	0.32	- 8	- 3	345	17029	-159.32
LANDING	- 37 38	156.4	- 0.0	- 20.5	44391	- 0.27	0.12	- 0.27	- 0.01	0.00	- 572	6	32866	5187	

107437	CLOCK REQUEST @ [illegible]ADACCS	T1=36250	SECONDS RUNNING	397467.281081	0383
107447	CLOCK REQUEST @ PIPSDONE	T1=36250	SECONDS RUNNING	397467.282310	0278
076211	CLOCK REQUEST @ SERVICER	T1=36251	SECONDS RUNNING	397467.290371	9590
101632	CLOCK REQUEST @ RDGIMS	T1=36333	SECONDS RUNNING	397467.791109	6861
072410	CLOCK REQUEST @ LUNLAND	T1=36334	SECONDS RUNNING	397467.805745	5612
073437	CLOCK REQUEST @ DISPEXIT	T1=36433	SECONDS RUNNING	397468.434407	1966

DISPLAYS = 63 06 61 +52169 -00205 +48680 397469.000000

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397469.6 [illegible] 32.0 - 0.0 - 15.02 - 6.07 - 0.13  359.72 - 0.12   0.00 - 0.00 - 120 -  1   9847  584.8    8.07
110:34:29 - [illegible] 0.1 - 0.0  6212.2  348.64 -179.81  102.53  102.52 - 0.21   0.54 -  P -  3    365  16964 -169.73
  LANDING - 74236  1549.0 - 2.68 -  21.5   44391 -  0.27    0.12 -  0.27   0.00 - 0.00 - 574    5  32741   5187

  107437   CLOCK REQUEST a READACCS                          T1=36560    SECONDS RUNNING    397469.281081    9716

  107447   CLOCK REQUEST a PIPSDONE                          T1=36560    SECONDS RUNNING    397469.282310    9611

  076206   CLOCK REQUEST a SERVICER                          T1=36561    SECONDS RUNNING    397469.290370    8924

  101632   CLOCK REQUEST a BLGINS                            T1=36643    SECONDS RUNNING    397469.792535    6072

  072410   CLOCK REQUEST a LUNLAND                           T1=36644    SECONDS RUNNING    397469.802679    5207

  073437   CLOCK REQUEST a DISPEXIT                          T1=36743    SECONDS RUNNING    397470.433529    1374

DISPLAYS =  63  06  63          +51977  -00215  +48638                                                    397471.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        V          LATVEL     LAT     YAW  BALL-P   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
        ( TABLE MEMBER COORDS )  FORVEL    LONG   PITCH  BALL-R   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING     METRIC UNITS       ALTRATE    ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ    MASS  APS
397471.2  1710919   327.6 - 0.5 -  15.0 -  6.05 -  0.13  359.75 -  0.12   0.00 - 0.00 - 117    0    9848  584.8    8.06
110:24:31 -  483    0.1 -  0.1  5192.3  348.54  179.85  102.69  102.05 - 0.20   0.43 -  P -  3     384  16899 -180.00
  LANDING - 471143  1543.9 - 2.8 -  22.5   44388 -  0.23    0.11 -  0.24 - 0.00 - 0.00 - 576    6  32676   5187

  107437   CLOCK REQUEST a READACCS                          T1=37070    SECONDS RUNNING    397471.281081    9050

  107447   CLOCK REQUEST a PIPSDONE                          T1=37070    SECONDS RUNNING    397471.282310    8945

  076206   CLOCK REQUEST a SERVICER                          T1=37071    SECONDS RUNNING    397471.290370    8257

  101632   CLOCK REQUEST a BLGINS                            T1=37153    SECONDS RUNNING    397471.791177    5521

  072410   CLOCK REQUEST a LUNLAND                           T1=37154    SECONDS RUNNING    397471.809454    3962

  073437   CLOCK REQUEST a DISPEXIT                          T1=37253    SECONDS RUNNING    397472.437093    0403

DISPLAYS =  63  06  63          +51783  -00225  +48594                                                    397473.000008

397472.2  1711570   32.5 - 0.7 -  15.1 -  6.02 -  0.13  359.71 -  0.12   0.00 - 0.00 - 113    1    9848  584.8    8.06
110:24:32 -  480    0.0 -  0.1  5175.5  348.44  179.48  101.62  101.62 - 0.20   0.32 -  P -  3     403  16834 -190.13
  LANDING - 468761  1538.7 - 2.8 -  22.4   44383 -  0.29    0.11 -  0.28   0.00 - 0.00 - 577    5  32612   5187

  107437   CLOCK REQUEST a READACCS                          T1=37400    SECONDS RUNNING    397473.281081    8383

  107447   CLOCK REQUEST a PIPSDONE                          T1=37400    SECONDS RUNNING    397473.282310    8278

  076206   CLOCK REQUEST a SERVICER                          T1=37401    SECONDS RUNNING    397473.290370    7590
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101432	CLOCK REQUEST @ RECIMS	T1=37463	SECONDS RUNNING	397473.791057	4865
072410	CLOCK REQUEST @ LUNLAND	T1=37464	SECONDS RUNNING	397473.805043	3671
073437	CLOCK REQUEST @ DISPEXIT	T1=37562	SECONDS RUNNING	397474.429941	0347

DISPLAYS = 63 06 63 +45159 -00234 +48548 397475.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FERVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-F BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE CRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397475.2	1712214	31.3	[illegible]	14.5	6.00	0.12	359.88	0.10	0.00	0.00	109	1	9649	584.8	8.05
11D:24:15	481	0.0	0.01	3154.1	248.34	179.31	101.34	101.34	0.15	0.43	8	2	423	16770	-200.13
LANDING	364524	1533.6	2.91	24.3	44377	0.11	0.11	0.10	0.07	0.00	580	6	32547	5187	

107437	CLOCK REQUEST @ REACACCS	T1=37710	SECONDS RUNNING	397475.281081	7716
107447	CLOCK REQUEST @ PIPSUCNE	T1=37710	SECONDS RUNNING	397475.282309	7611
076200	CLOCK REQUEST @ SERVICER	T1=37711	SECONDS RUNNING	397475.290370	6924
101632	CLOCK REQUEST @ RCGIMS	T1=37772	SECONDS RUNNING	397475.781070	5050
07241	CLOCK REQUEST @ LUNLAND	T1=37774	SECONDS RUNNING	297475.801062	3345
073437	CLOCK REQUEST @ DISPEXIT	T1=00073	SECONDS RUNNING	397476.431107	9581

DISPLAYS = 63 06 63 +51306 -00243 +48501 397477.000000

397477.2	1712 46	215.0	[illegible]	14.2	5.97	0.12	359.87	0.10	0.00	0.00	106	0	9850	584.8	8.04
11D:24:37	479	0.0	0.00	5134.7	348.24	179.03	100.96	100.96	0.22	0.32	6	3	442	16705	-209.99
LANDING	11022	1520.4	2.92	25.2	44368	0.12	0.10	0.13	0.05	0.00	582	5	32482	5187	

107437	CLOCK REQUEST @ REACACCS	T1=00220	SECONDS RUNNING	397477.281081	7050
107447	CLOCK REQUEST @ PIPSUCNE	T1=00220	SECONDS RUNNING	397477.282309	6945
076200	CLOCK REQUEST @ SERVICER	T1=00221	SECONDS RUNNING	397477.290370	6257
101632	CLOCK REQUEST @ RCGIMS	T1=00303	SECONDS RUNNING	397477.791130	3525
07241	CLOCK REQUEST @ LUNLAND	T1=00304	SECONDS RUNNING	397477.808868	2012
073437	CLOCK REQUEST @ DISPEXIT	T1=00403	SECONDS RUNNING	397478.427396	8377

DISPLAYS = 63 06 [illegible] +51201 -00252 +48451 397479.000018

397478.2	[illegible]	31.0	[illegible]	14.2	5.95	0.12	359.82	0.10	0.00	0.00	102	1	9851	584.6	8.04
11D:24:39	481	0.0	0.01	5115.2	348.14	179.70	100.53	100.53	0.17	0.21	7	3	462	16640	-219.71

LANDING - 356871 152700 - [illegible] - 16.1 44357 - 0.18 0.10 - 0.18 0.00 - 0.00 - 583 6 32417 5187

107437	CLOCK REQUEST 2 REALACCS	T1=00530	SECONDS RUNNING	397479.281081	6383
107447	CLOCK REQUEST 4 PIPSDONE	T1=00530	SECONDS RUNNING	397479.282309	6278
076206	CLOCK REQUEST 0 SERVICER	T1=00531	SECONDS RUNNING	397479.290370	5590
101432	CLOCK REQUEST 4 RDGIMS	T1=00613	SECONDS RUNNING	397479.791389	2837
072410	CLOCK REQUEST 0 LUNLANC	T1=00614	SECONDS RUNNING	397479.801545	1970
073437	CLOCK REQUEST 0 LISPEXIT	T1=00712	SECONDS RUNNING	397480.428427	8476

DISPLAYS = 63 06 63 +51067 -00261 +48400 397481.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R / V (TABLE MEMB P COORDS) / METRIC UNITS	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397481.	1714092	306.7 -	0.1 -	13.8 -	5.92 -	0.11	359.80 -	0.09	0.00 -	100	0	8851	584.8	8.03
110:24:41 -	475 -	0.0 -	0.01	5095.7	348.04	179.62	100.35	100.34 -	0.07	0.32 -	7 -	3 481	16575	-229.31

LANDING - 355930 151930 - 2.92 - 27.0 44345 - 0.19 0.10 - 0.19 0.03 - 0.00 - 586 5 32353 5187

107437	CLOCK REQUEST 4 REALACCS	T1=01040	SECONDS RUNNING	397481.281081	5716
107447	CLOCK REQUEST 0 PIPSDONE	T1=01040	SECONDS RUNNING	397481.282309	5611
076206	CLOCK REQUEST 0 SERVICER	T1=01041	SECONDS RUNNING	397481.290370	4924
101432	CLOCK REQUEST 4 RDGIMS	T1=01123	SECONDS RUNNING	397481.791061	2198
072410	CLOCK REQUEST 0 LUNLANC	T1=01124	SECONDS RUNNING	397481.805295	0983
073437	CLOCK REQUEST 4 LISPEXIT	T1=01223	SECONDS RUNNING	397482.435374	7217

DISPLAYS = 63 06 63 +50811 -00270 +48347 397483.000000

SNAPSHOT 397483 SECONDS RUNNING 397483.000036

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COUX COUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS DPS	APOLU PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397483.2	171671 302.5 - 0.49 -	13.7 -	5.90 -	0.11	359.74 -	0.09	0.00 -	0.00 -	97 -	1	9852	584.8	8.02
110:24:43 -	49 - 0.0 - 0.0	5076.1	347.94	178.28	100.01	100.00	- 0.21	0.43 -	8 -	3	501	16511	-238.78
LANDING -	35279 1512.7 - 2.9 -	27.9	44330 -	0.25	0.09 -	0.25 -	0.02 -	0.10 -	587	6	32288	5187	
107437	CLOCK REQUEST @ PEADACCS					T1=01350		SECONDS RUNNING			397483.281081		5050
107447	CLOCK REQUEST @ PIPSDONE					T1=01350		SECONDS RUNNING			397483.282309		4945
076206	CLOCK REQUEST @ SERVICER					T1=01351		SECONDS RUNNING			397483.290370		4257
101632	CLOCK REQUEST @ PDGIMS					T1=01433		SECONDS RUNNING			397483.791047		1532
072410	CLOCK REQUEST @ LUNLAND					T1=01434		SECONDS RUNNING			397483.803082		0505
73407	CLOCK REQUEST @ DISPEXIT					T1=01532		SECONDS RUNNING			397484.425896		7359
DISPLAYS =	63 06 63	+50616	-00279	+48293									397485.000006
397485.2	171[illegible] 296.4 - 0.[illegible] -	13.9 -	5.87 -	0.11	359.74 -	0.09	0.00 -	0.00 -	93	0	9853	584.8	8.01
110:24:[illegible] -	478 - [illegible] - 1	5058.5	347.84	178.11	99.63	99.63 -	0.14	0.32 -	8 -	3	520	16446	-248.12
LANDING -	49779 1507.5 - 2.9 -	28.0	44314 -	0.25	0.09 -	0.25	0.03 -	0.10 -	589	5	32223	5187	
107437	CLOCK REQUEST @ PEADACCS					T1=01660		SECONDS RUNNING			397485.281081		4383
107447	CLOCK REQUEST @ PIPSDONE					T1=01660		SECONDS RUNNING			397485.282309		4278
076206	CLOCK REQUEST @ SERVICER					T1=01661		SECONDS RUNNING			397485.290370		3590
101632	CLOCK REQUEST @ PDGIMS					T1=01743		SECONDS RUNNING			397485.793827		0629
72410	CLOCK REQUEST @ LUNLAND					T1=01744		SECONDS RUNNING			397485.803972		9763
73407	CLOCK REQUEST @ DISPEXIT					T1=02043		SECONDS RUNNING			397486.430211		6324
DISPLAYS =	63 06 63	+50420	-00287	+48236									397487.000000
397487.2	171585 294.3 - 0.46 -	13.1 -	5.85 -	0.10	359.80 -	0.09	0.00 -	0.00 -	90 -	1	9854	584.8	8.01
110:24:47 -	480 - [illegible] - 0.00	5036.9	347.74	177.81	99.24	99.23 -	0.19	0.32 -	7 -	3	540	16381	-257.34
LANDING -	34676 1502.2 - 2.5 -	29.6	44296 -	0.09	0.09 -	0.09	0.11 -	0.10 -	590	6	32158	5187	
107437	CLOCK REQUEST @ PEADACCS					T1=02170		SECONDS RUNNING			397487.281081		3716
107447	CLOCK REQUEST @ PIPSDONE					T1=02170		SECONDS RUNNING			397487.282311		3611
76206	CLOCK REQUEST @ SERVICER					T1=02171		SECONDS RUNNING			397487.290376		2923

[illegible]	CLOCK REQUEST @ RODIMS	T1=02253	SECONDS RUNNING	397487.793486	9991
[illegible]	CLOCK REQUEST @ LUNLAND	T1=02254	SECONDS RUNNING	397487.803640	9124
[illegible]	CLOCK REQUEST @ DISPLXIT	T1=02353	SECONDS RUNNING	397488.420693	5616

DISPLAYS = [illegible] 62 +50224 -00296 +48177 397489.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	P (STABLE MEMBER COUNTS) / METRIC UNITS	V	G	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	OPPX / OPPY / OPPZ	OGX / OGY / OGZ	THRUST / DELTAV / MASS	RCS / OPS / APS	APOLU / PERILU
397489.0	1716647	2900.3	- 0.05	- 12.7	- 5.82	- 0.10	359.90	- 0.08	0.00	- 0.00	- 87	- 1	9854	584.8	8.00
110:24:4[illegible]	- 432	- 0.1	- 0.00	5017.2	347.64	177.70	99.03	99.03	- 0.07	0.32	- 6	- 3	560	16316	-266.44
LANDING	- 44771	1491.9	- 2.97	- 30.4	44275	- 0.09	0.08	- 0.09	- 0.07	- 0.10	- 593	6	32093	5187	

107447	CLOCK REQUEST @ READACCS	T1=02500	SECONDS RUNNING	397489.281081	3050
107447	CLOCK REQUEST @ PIPSDONE	T1=02500	SECONDS RUNNING	397489.282309	2945
076[illegible]	CLOCK REQUEST @ SERVICER	T1=02501	SECONDS RUNNING	397489.290369	2257
101[illegible]	CLOCK REQUEST @ RODIMS	T1=02563	SECONDS RUNNING	397489.791051	9532
072410	CLOCK REQUEST @ LUNLAND	T1=02564	SECONDS RUNNING	397489.803748	8449
073457	CLOCK REQUEST @ DISPLXIT	T1=02662	SECONDS RUNNING	397490.429232	5074

DISPLAYS = 6[illegible] 06 62 +50027 -00304 +48113 397491.000018

397491.0	1717056	2860.2	- 0.43	- 12.4	- 5.80	- 0.09	359.88	- 0.08	0.00	- 0.00	- 84	0	9855	584.8	7.99
110:24:51	- 479	- 0.1	- 0.01	4997.5	347.55	177.43	98.66	98.65	- 0.23	0.32	- 6	- 3	579	16251	-275.41
LANDING	- 40782	1491.5	- 2.98	- 31.3	44254	- 0.12	0.08	- 0.12	- 0.01	- 0.10	- 594	5	32029	5187	

107447	CLOCK REQUEST @ READACCS	T1=03010	SECONDS RUNNING	397491.281081	2383
107447	CLOCK REQUEST @ PIPSDONE	T1=03010	SECONDS RUNNING	397491.282309	2278
76[illegible]	CLOCK REQUEST @ SERVICER	T1=03011	SECONDS RUNNING	397491.290369	1590
1[illegible]	CLOCK REQUEST @ RODIMS	T1=03073	SECONDS RUNNING	397491.791052	8865
072[illegible]	CLOCK REQUEST @ LUNLAND	T1=03074	SECONDS RUNNING	397491.804564	7712
0734[illegible]7	CLOCK REQUEST @ DISPLXIT	T1=03172	SECONDS RUNNING	397492.429404	4393

DISPLAYS = 63 06 63 +45830 -00312 +40056 397493.000000

397493.0	1717625	2820.2	- 0.01	- 11.9	- 5.77	- 0.09	359.97	- 0.07	0.00	- 0.00	- 80	- 1	9856	584.8	7.98
110:24:54	- 481	- 0.1	- 0.00	4977.8	347.45	177.21	98.34	98.33	- 0.15	0.32	- 6	- 3	599	16187	-284.27

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LANDING -  [illegible]4  14[illegible] -  [illegible] -  32.1   44230 -  0.03    0.07 -  0.02   0.04 - 0.10 - 596    6  31964   5187

  107[illegible]7   CLOCK REQUEST @ [illegible]ACACCS                    T1=03320        SECONDS RUNNING     397493.281081        1716

  107447   CLOCK REQUEST @ PIPSDONE                    T1=03320        SECONDS RUNNING     397493.282309        1611

  [illegible]76206   CLOCK REQUEST @ SERVICER                    T1=03321        SECONDS RUNNING     397493.290369        0924

  101[illegible]   CLOCK REQUEST @ RDGIMS                    T1=03402        SECONDS RUNNING     397493.781111        9047

  07243   CLOCK REQUEST @ LUNLAND                    T1=03403        SECONDS RUNNING     397493.799765        7455

  0734[illegible]7   CLOCK REQUEST @ DISPEXIT                    T1=03503        SECONDS RUNNING     397494.430250        3654

DISPLAYS =   63   06   5[illegible]          +49633  -00320  +47993                                                397495.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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  TIM[illegible]   [illegible]   V   A   LATVEL   LAT   YAW   BALL-R   CDUX   PRATE   ATT-X   DPPX   DGX   THRUST   RCS   APOLU
  (STABLE MEMBER COORD )                FORVEL   LONG  PITCH  BALL-P   CDUY   QRATE   ATT-Y   DPPY   DGY   DELTAV   DPS   PERILU
  LANDING   METRIC UNITS                ALTRATE   ALT   ROLL  BALL-Y   CDUZ   RRATE   ATT-Z   DPPZ   DGZ    MASS   APS
397495.[illegible]  1718185   27[illegible] - 0.[illegible] -  11.6 -  5.75 -  0.08  359.95 -  0.07   0.00 - 0.00 -  77    0   9867   584.8     7.97
110[illegible]24[illegible] -   479 -  0.[illegible] - [illegible] 4958.0  347.25  176.90   97.93 -  0.18   0.32 -   6 -  3    619  16122  -293.01
  LANDING - 3[illegible]37  1480[illegible] - 3.[illegible] -  32.9   44204 -  0.04    0.07 -  0.04   0.00 - 0.10 - 598    5  31899   5187

  107437   CLOCK REQUEST @ REACACCS                    T1=03630        SECONDS RUNNING     397495.281081        1050

  107447   CLOCK REQUEST @ PIPSDONE                    T1=03630        SECONDS RUNNING     397495.282309        0945

  [illegible]76206   CLOCK REQUEST @ SERVICER                    T1=03631        SECONDS RUNNING     397495.290369        0257

  [illegible]1[illegible]37   CLOCK REQUEST @ RDGIMS                    T1=03713        SECONDS RUNNING     397495.792901        7374

  72410   CLOCK REQUEST @ LUNLAND                    T1=03714        SECONDS RUNNING     397495.806697        6197

  [illegible]73[illegible]7   CLOCK REQUEST @ DISPEXIT                    T1=04013        SECONDS RUNNING     397496.431018        2922

DISPLAYS =   63   06   63          +49435  -00328  +47928                                                397497.000006

397497.2  1718738   274.4 - 0.38 -  11.1 -  5.73 -  0.08  359.96 -  0.06   0.00 - 0.00 -  74 -  1   9857   584.8     7.96
110[illegible]24[illegible] -   481 -  0.1 - 0.[illegible] 4938.2  347.26  176.79   97.71   97.71 - 0.07   0.32 -   5 -  3    639  16057  -301.64
  LANDING - 3318[illegible]  1475.4 - 3.[illegible] -  33.7   44177 -  0.03    0.06 -  0.03   0.00 - 0.10 - 599    6  31834   5187

  107437   CLOCK REQUEST @ REACACCS                    T1=04140        SECONDS RUNNING     397497.281081        0383

  107447   CLOCK REQUEST @ PIPSDONE                    T1=04140        SECONDS RUNNING     397497.282309        0278

  [illegible]7[illegible]7   CLOCK REQUEST @ SERVICER                    T1=04141        SECONDS RUNNING     397497.290369        9590

  [illegible]   CLOCK REQUEST @ RDGIMS                    T1=04222        SECONDS RUNNING     397497.781210        7705
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07241	CLOCK REQUEST a LUNLAND	T1=04223	SECONDS RUNNING	397497.797807	6289
073437	CLOCK REQUEST b LISPEXIT	T1=04322	SECONDS RUNNING	397498.425626	2715

DISPLAYS = 63 06 63 +49237 - [illegible]336 +47862 397499.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER)	V (COORDS)	A	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	OPPX OPPY	DCX DCY	THRUST MASS	RCS CPS	APOLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	RCLL	BALL-Y	CDUZ	FRATE	ATT-Z	DPPZ	DGZ		APS	
397499.[illegible]	171283	270.5	[illegible]	10.8	5.70	0.07	359.96	0.06	0.00	0.00	72	0	9858	584.8	7.95
110:34:55	483	0.2	[illegible]	4918.4	347.16	176.52	97.35	97.34	0.24	0.32	6	3	659	15992	-310.16
LANDING	[illegible]935	1470.0	[illegible]	34.5	44148	0.03	0.06	0.03	0.02	0.10	603	6	31769	5187	

107437	CLOCK REQUEST b READACCS	T1=04450	SECONDS RUNNING	397499.281081	9716
107447	CLOCK REQUEST c PIPSLONE	T1=04450	SECONDS RUNNING	397499.282311	9611
076200	CLOCK REQUEST d SERVICER	T1=04451	SECONDS RUNNING	397499.290375	8923
101632	CLOCK REQUEST e RCGIMS	T1=04533	SECONDS RUNNING	397499.792674	6060
07241	CLOCK REQUEST a LUNLAND	T1=04534	SECONDS RUNNING	397499.802829	5194
073437	CLOCK REQUEST b LISPEXIT	T1=04633	SECONDS RUNNING	397500.430452	1637

DISPLAYS = 63 06 63 +49039 -00344 +47794 397501.000000

397501.2	171[illegible]	266.6	[illegible]	10.4	5.68	0.07	359.98	0.06	0.00	0.00	67	1	9859	584.8	7.94
110:35:1	48[illegible]	0.2	[illegible]	4898.5	347.07	176.29	97.03	97.03	0.11	0.32	5	3	678	15927	-318.57
LANDING	[illegible]0	1464.5	[illegible]	35.3	44117	0.02	0.05	0.02	0.02	0.10	603	5	31705	5187	

107437	CLOCK REQUEST b READACCS	T1=04760	SECONDS RUNNING	397501.281081	9050
107447	CLOCK REQUEST c PIPSLONE	T1=04760	SECONDS RUNNING	397501.282309	8945
07[illegible]	CLOCK REQUEST d SERVICER	T1=04761	SECONDS RUNNING	397501.290368	8257
101632	CLOCK REQUEST e RCGIMS	T1=05043	SECONDS RUNNING	397501.791042	5533
07241	CLOCK REQUEST a LUNLAND	T1=05044	SECONDS RUNNING	397501.807662	4115
073437	CLOCK REQUEST b LISPEXIT	T1=05143	SECONDS RUNNING	397502.434206	0650

DISPLAYS = 63 06 63 +48840 -00352 +47724 397503.000006

397503.2	172[illegible]	262.8	[illegible]	9.0	5.65	0.06	[illegible]	0.02	0.05	0.00	0.00	65	1	9860	584.8	7.93
110:35:[illegible]	482	0.2	[illegible]	4878.6	346.97	176.02	96.65	96.65	0.20	0.21	6	3	658	15862	-326.87
LANDING	[illegible]076	1459.0	[illegible]	36.[illegible]	44085	0.01	0.05	0.02	0.01	0.00	604	6	31640	5187	

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107437   CLOCK REQUEST @ FADACCS                    T1=05270   SECONDS RUNNING   397503.281081   8383
107447   CLOCK REQUEST @ PIPSCONE                   T1=05270   SECONDS RUNNING   397503.282309   8278
076206   CLOCK REQUEST @ SERVICER                   T1=05271   SECONDS RUNNING   397503.290368   7590
101632   CLOCK REQUEST @ FLGIMS                     T1=05353   SECONDS RUNNING   397503.791057   4865
072410   CLOCK REQUEST @ LUNLAND                    T1=05354   SECONDS RUNNING   397503.800951   4021
073437   CLOCK REQUEST @ DISPEXIT                   T1=05452   SECONDS RUNNING   397504.427305   0572

     AST ONAUT KEYSTROKE "VERB"          FOR TIME  397504.952
     ASTRONAUT KEYSTROKE      5          FOR TIME  397505.202
     AST ONAUT KEYSTROKE      7          FOR TIME  397505.452
     ASTRONAUT KEYSTROKE "ENTER"         FOR TIME  397505.702

DISPLAYS =   63   06   63        +48641  -00760  +47653                                          397505.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R        V        A   LATVEL    LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
(STABLE MEMBER COORES)  TRAVEL  LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  OPPY  OGY  DELTAV  OPS   PERILU
 LANDING    METRIC UNITS  ALTRATE  ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  OGZ   MASS   APS
397505.52 1172872  259.01 - 0.03 -  9.06 - 5.63 -  0.06  359.99 -  0.05   0.00 - 0.00 -  60    0   9860  584.8    7.92
110:25: 5 -   484 -  0.62 - 0.00  4058.6  346.68  175.85   96.39 -  96.39 - 0.10  0.32 -   5 -  3    718 15798 -335.06
 LANDING - 320163  1483.5 - 2.0 -  3.08   44051 -  0.02    0.04 -  0.02 - 0.01 - 0.10 - 607    6  31575   5187

107437   CLOCK REQUEST @ FADACCS                    T1=05600   SECONDS RUNNING   397505.281081   7716
107447   CLOCK REQUEST @ PIPSCONE                   T1=05600   SECONDS RUNNING   397505.282309   7611
076206   CLOCK REQUEST @ SERVICER                   T1=05601   SECONDS RUNNING   397505.290368   6924
101632   CLOCK REQUEST @ FLGIMS                     T1=05664   SECONDS RUNNING   397505.801046   3346
072410   CLOCK REQUEST @ LUNLAND                    T1=05705   SECONDS RUNNING   397505.978673   8198
DISPLAYS =   63   06   68  FLASH   +01762  -08X00  +47653                                          397506.000011
073437   CLOCK REQUEST @ DISPEXIT                   T1=06006   SECONDS RUNNING   397506.628185   2763
DISPLAYS =   63   06   6-  FLASH   +01762  -08X09  +99999                                          397507.000000

397507.2  1721386  255.2 - 0.0 -  9.2 - 5.61 -  0.06  359.99 -  0.04   0.00 - 0.00 -  58 -  1   9861  584.8    7.91
110:25: 7 -   481 -  0.2 - 0.0  4053.7  346.78  175.57   96.01   96.00 - 0.26  0.21 -   5 -  3    738 15733 -343.15
 LANDING - 317261  1448.0 - 3.0 -  3.5   44015 -  0.01    0.04 -  0.01 - 0.03 - 0.00 - 607    5  31510   5187

107437   CLOCK REQUEST @ FADACCS                    T1=06110   SECONDS RUNNING   397507.281081   7050
107447   CLOCK REQUEST @ PIPSCONE                   T1=06110   SECONDS RUNNING   397507.282309   6945
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 076200   CLOCK REQUEST @ SERVICER                    T1=06111    SECONDS RUNNING    397507.290934    6209

 101032   CLOCK REQUEST @ RCGIMS                     T1=06174    SECONDS RUNNING    397507.802188    2582

 072410   CLOCK REQUEST @ LUNLAND                    T1=06210    SECONDS RUNNING    397507.929046    1757

DISPLAYS =   63   06   68  FLASH   +01746  -08X06  +99999                                            397508.000018

 75437    CLOCK REQUEST @ DISPEXIT                   T1=06314    SECONDS RUNNING    397508.605180    4060

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R        V        A    LATVEL    LAT     YAW   BALL-R   COUX   PRATE  ATT-X  OPRX  DGX  THRUST  RCS   APOLU
 (STABLE MEMBER COORDS)  FORVEL   LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPRY  DGY  DELTAV  DPS   PERILU
 LANDING     METRIC UNITS         ALTRATE  ALT    ROLL   BALL-Y   COUZ   RRATE  ATT-Z  OPRZ  OGZ   MASS   APS

397509.2  17213[illegible]  251.5 - 0.23 -  8.3 -  5.58 -  0.05   0.00 -  0.04   0.00 - 0.00 -  54    0   9862  584.8    7.90
110[illegible]5: 9 -  [illegible] -  [illegible] - 0.[illegible]  481[illegible].6  346.69  175.37  95.71   95.71 - 0.08   0.21 -   6 -  3    758  15668 -351.14
 LANDING - [illegible]  1442.5 - 3.[illegible] -  3[illegible].2   43578 -  0.00   0.03   0.00   0.05 - 0.10 - 610    6  31445   5187

 107437   CLOCK REQUEST @ REALACCS                   T1=06420    SECONDS RUNNING    397509.281081    6383

 107447   CLOCK REQUEST @ PIPSDONE                   T1=06420    SECONDS RUNNING    397509.282309    6278

 076206   CLOCK REQUEST @ SERVICER                   T1=06421    SECONDS RUNNING    397509.290712    5561

 101632   CLOCK REQUEST @ RCGIMS                     T1=06504    SECONDS RUNNING    397509.801047    2012

 072410   CLOCK REQUEST @ LUNLAND                    T1=06520    SECONDS RUNNING    397509.926885    1274

DISPLAYS =   63   06   68  FLASH   +01730  -08X04  +99999                                            397510.000003

 075437   CLOCK REQUEST @ DISPEXIT                   T1=06624    SECONDS RUNNING    397510.607206    3220

397511.0[illegible]  17[illegible]492  247.8 - 0.27 -  8.3 -  5.56 -  0.04   0.03 -  0.03   0.00 - 0.00 -  52 -  1   9863  584.8    7.88
110[illegible]5311 -  [illegible]485 -  0.2 - 0.[illegible] 479[illegible].6  346.59  175.22  95.47   95.47 - 0.14   0.32 -   5 -  3    778  15603 -359.02
 LANDING - 11410  1430.9 - 3.06 -  3[illegible].9   43939  0.02   0.03   0.03   0.01 - 0.00 - 611    6  31380   5187

 107437   CLOCK REQUEST @ REALACCS                   T1=06730    SECONDS RUNNING    397511.281081    5716

 107447   CLOCK REQUEST @ PIPSDONE                   T1=06730    SECONDS RUNNING    397511.282309    5611

 076200   CLOCK REQUEST @ SERVICER                   T1=06731    SECONDS RUNNING    397511.290761    4890

 101632   CLOCK REQUEST @ RCGIMS                     T1=07014    SECONDS RUNNING    397511.801143    1338

 072410   CLOCK REQUEST @ LUNLAND                    T1=07015    SECONDS RUNNING    397511.816687    0011

DISPLAYS =   63   06   68  FLASH   +01715  -08X04  +99999                                            397512.000018

 075437   CLOCK REQUEST @ DISPEXIT                   T1=07134    SECONDS RUNNING    397512.609247    2379

DISPLAYS =   63   06   68  FLASH   +01715  -08X01  +99999                                            397513.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
LANDING	METRIC UNITS			ALTRATE	ALT	RCLL	BALL-Y	CDUZ	RRATE	ATT-Z	DRRZ	DGZ	DELTAV	CRS	PERILU
													MASS	ARS	
397513.0[illegible]	1722884	244.1	- 2.25	- 7.8	- 5.53	- 0.04	0.03	- 0.03	0.00	- 0.00	- 49	- 1	5863	584.8	7.87
110:25:13	- 481	- 0.2	- 0.[illegible]	4778.5	346.50	175.09	95.24	95.25	- 0.08	0.32	- 5	- 3	799	15538	-366.81
LANDING	- 3[illegible]21	1431.[illegible]	- 3.[illegible]7	- 39.8	43898	0.02	0.02	0.03	0.01	- 0.00	- 613	5	31215	5187	

107437	CLOCK REQUEST @ READACCS	T1=07240	SECONDS RUNNING	397513.281081	5050
107447	CLOCK REQUEST @ PIRSDONE	T1=07240	SECONDS RUNNING	397513.282309	4945
76200	CLOCK REQUEST @ SERVICER	T1=07241	SECONDS RUNNING	397513.290712	4228
101[illegible]	CLOCK REQUEST @ RUGIMS	T1=07324	SECONDS RUNNING	397513.801769	0618
72410	CLOCK REQUEST @ LUNLAND	T1=07325	SECONDS RUNNING	397513.811804	9761

DISPLAYS = 63 06 6[illegible] FLASH +01699 -07X59 +99999 397514.000029

07247	CLOCK REQUEST @ DISPEXIT	T1=07445	SECONDS RUNNING	397514.611640	1509

DISPLAYS = 63 06 68 FLASH +01699 -07X59 +99999 397515.000006

397515.02	1723369	242.4	- 2.24	- 7.3	- 5.51	- 0.03	0.09	- 0.02	0.00	- 0.00	- 46	0	9864	584.8	7.86
110:25:15	- 484	- 0.2	0.[illegible]	4758.3	346.41	174.83	94.89	94.88	- 0.22	0.32	- 4	- 3	819	15473	-374.49
LANDING	- 05763	1425.7	- 3.0[illegible]	- 40.3	43856	0.08	0.02	0.08	0.05	- 0.00	- 613	6	31250	5187	

107437	CLOCK REQUEST @ READACCS	T1=07550	SECONDS RUNNING	397515.281081	4383
107447	CLOCK REQUEST @ PIPSDONE	T1=07550	SECONDS RUNNING	397515.282311	4278
76200	CLOCK REQUEST @ SERVICER	T1=07551	SECONDS RUNNING	397515.290768	3556
101632	CLOCK REQUEST @ RUGIMS	T1=07634	SECONDS RUNNING	397515.803968	9763
72410	CLOCK REQUEST @ LUNLAND	T1=07635	SECONDS RUNNING	397515.814121	8897

AST ONALT KEYSTROKE "VERB" FOR TIME 397515.952
AST ONALT KEYSTROKE 3 FOR TIME 397516.202
AST ONALT KEYSTROKE - FOR TIME 397516.452
AST ONALT KEYSTROKE "ENTER" FOR TIME 397516.702

DISPLAYS = 63 06 68 FLASH +01689 -07X56 +99999 397516.000005

07347	CLOCK REQUEST @ DISREXIT	T1=07757	SECONDS RUNNING	397516.629676	8449

DISPLAYS = 63 XX XX XXXXX -XXX56 +99999 397517.000000

397517.02	1724546	236.8	- 0.3[illegible]	- 6.5	- 5.46	- 0.02	0.21	- 0.01	0.00	- 0.00	- 43	- 1	5865	584.8	7.85

```
110:25:17 -    485 -   [illegible]  [illegible]  4736.2  346.22  174.64   94.60   94.60 - 0.13   0.32 -   4 -  3    839  15408 -382.08
  LANDING - 3[illegible]2917  142[illegible].1 - 3.[illegible] -  41.0   43813    0.20    0.01    0.20   0.05 - 0.00 - 616    6  31185   5187

    107437    CLOCK REQUEST @ READACCS                          T1=10060        SECONDS RUNNING      397517.281081        3716

    107447    CLOCK REQUEST @ PIPSCONE                          T1=10060        SECONDS RUNNING      397517.282309        3611

    [illegible]6[illegible]6  CLOCK REQUEST @ SERVICER                          T1=10061        SECONDS RUNNING      397517.290540        2909

    101632    CLOCK REQUEST @ REGIMS                            T1=10143        SECONDS RUNNING      397517.791063        0198

    07241[illegible]  CLOCK REQUEST @ LUNLAND                          T1=10144        SECONDS RUNNING      397517.809141        8655

DISPLAYS =    63    XX    XX          XXXXX   XXXXX   XXX15                                                          397518.000011

    073437    CLOCK REQUEST @ DISPEXIT                          T1=10265        SECONDS RUNNING      397518.613664        0002

DISPLAYS =    63    0[illegible]    6          +47237  -00410  +47115                                                  397519.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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   TIME          R        V        A   LATVEL    LAT    YAW  BALL-R  CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)  FERVEL   LONG  PITCH  BALL-P  CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS     ALTRATE   ALT   ROLL  BALL-Y  CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397519.[illegible]  17-4317   233.2 - [illegible].1 -   5.6 -  5.46 -  0.01   0.32   0.00   0.00 - 0.00 -  40    0   9866  584.8    7.83
110:25:19 -    4[illegible]2 -    [illegible].2  [illegible].01  4718.0  346.22  174.49   94.36   94.36 - 0.09   0.32 -   2 -  3    859  15343 -389.58
  LANDING - 3[illegible]082  141[illegible].5 - 3.[illegible] -  41.7   4376[illegible]    0.31    0.00    0.31   0.03 - 0.10 - 618    5  31121   5187

    107437    CLOCK REQUEST @ READACCS                          T1=10370        SECONDS RUNNING      397519.281081        3050

    107447    CLOCK REQUEST @ PIPSCONE                          T1=10370        SECONDS RUNNING      397519.282310        2945

    [illegible]6[illegible]6  CLOCK REQUEST @ SERVICER                          T1=10371        SECONDS RUNNING      397519.290374        2257

    101632    CLOCK REQUEST @ REGIMS                            T1=10454        SECONDS RUNNING      397519.801253        8662

    [illegible]7241   CLOCK REQUEST @ LUNLAND                          T1=10455        SECONDS RUNNING      397519.814999        7489

    07[illegible]437  CLOCK REQUEST @ DISPEXIT                          T1=10554        SECONDS RUNNING      397520.442888        3909

DISPLAYS =    67    0[illegible]    6          +47035  -00416  +47032                                                  397521.000007

397521.[illegible]  17[illegible]4779   229.6 - [illegible].1 -   5.1 -  5.44 -  0.01   0.29   0.00 - 0.00 - 0.00 -  37 -  1   9866  584.8    7.82
110:25:21 -    483 -    [illegible].2  [illegible].01  4697.7  346.13  174.21   93.99   93.98 - 0.23   0.32 -   2 -  4    879  15278 -396.98
  LANDING - 3[illegible]7263  14[illegible].8 - 3.11 -  42.4   43721    0.28  359.99    0.28   0.05    0.21 - 618    6  31056   5187

    107437    CLOCK REQUEST @ READACCS                          T1=10700        SECONDS RUNNING      397521.281081        2383

    1[illegible]7447  CLOCK REQUEST @ PIPSCONE                          T1=10700        SECONDS RUNNING      397521.282310        2278

    076[illegible]6   CLOCK REQUEST @ SERVICER                          T1=10701        SECONDS RUNNING      397521.290374        1590
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101[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=10763	SECONDS RUNNING	397521.791055	8865
072410	CLOCK REQUEST @ LUNLAND	T1=10764	SECONDS RUNNING	397521.806390	7557
073427	CLOCK REQUEST @ LISPEXIT	T1=11063	SECONDS RUNNING	397522.431945	4176

DISPLAYS = 63 06 [illegible] +46833 -00423 +46948 397523.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANCINC	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397523.[illegible]	17[illegible]235	22601	10[illegible]	408	5.42	0.01	0.16	0.00	0.00	0.00	33	1	9867	584.8	7.81
110:25:[illegible]	485	0.1	[illegible]	4677.4	346.04	174.04	93.73	93.73	0.09	0.32	3	3	900	15213	-404.30
LANCINC	[illegible]4265	14[illegible]01	2.11	4301	42673	0.16	359.99	0.16	0.06	0.10	621	6	30991	5187	
107437	CLOCK REQUEST @ READACCS							T1=11210		SECONDS RUNNING			397523.281081		1716
107447	CLOCK REQUEST @ PIPSDONE							T1=11210		SECONDS RUNNING			397523.282309		1611
076208	CLOCK REQUEST @ SERVICER							T1=11211		SECONDS RUNNING			397523.290368		0924
101622	CLOCK REQUEST @ [illegible]GIMS							T1=11272		SECONDS RUNNING			397523.781044		9053
072410	CLOCK REQUEST @ LUNLAND							T1=11274		SECONDS RUNNING			397523.802071		7258
073427	CLOCK REQUEST @ LISPEXIT							T1=11373		SECONDS RUNNING			397524.430495		3633

DISPLAYS = 63 06 [illegible] +46630 -00430 +46863 397525.000000

397525.[illegible]	[illegible]56.4	22206	2.01	404	5.40	0.00	0.06	0.01	0.00	0.00	31	0	9868	584.8	7.80
110:25:2[illegible]	487	0.1	0.0[illegible]	4657.1	345.95	173.87	93.46	93.46	0.14	0.21	3	3	920	15149	-411.52
LANCINC	[illegible]1641	13974	2.12	4308	42623	0.07	359.98	0.07	0.04	0.00	622	6	30926	5187	
107437	CLOCK REQUEST @ READACCS							T1=11520		SECONDS RUNNING			397525.281081		1050
107447	CLOCK REQUEST @ PIPSDONE							T1=11520		SECONDS RUNNING			397525.282309		0945
076208	CLOCK REQUEST @ SERVICER							T1=11521		SECONDS RUNNING			397525.290368		0257
1[illegible]622	CLOCK REQUEST @ [illegible]GIMS							T1=11603		SECONDS RUNNING			397525.791045		7533
072410	CLOCK REQUEST @ LUNLAND							T1=11604		SECONDS RUNNING			397525.809956		5919
073427	CLOCK REQUEST @ LISPEXIT							T1=11703		SECONDS RUNNING			397526.437843		2339

DISPLAYS = [illegible] 6 [illegible] +46427 -00407 +46777 397527.000005

397527.[illegible]	1726125	21301	[illegible]14	401	5.37	0.00	0.05	0.01	0.00	0.00	27	1	9869	584.8	7.78
110:25:27 =	488	0.1	[illegible]	4676.8	345.86	173.56	93.06	93.06	0.18	0.21	5	3	940	15084	-418.65

LANDING - [illegible] 13[illegible].7 - 3.13 - 44.4 43572 0.14 359.98 0.05 0.03 - 0.00 - 623 5 30861 5187

107447	CLOCK REQUEST @ READACCS	T1=12030	SECONDS RUNNING	397527.281080	0383
107447	CLOCK REQUEST @ PIRSDONE	T1=12030	SECONDS RUNNING	397527.282309	0278
1762[illegible]6	CLOCK REQUEST @ SERVICER	T1=12031	SECONDS RUNNING	397527.290367	9590
101632	CLOCK REQUEST @ RIGIMS	T1=12113	SECONDS RUNNING	397527.791068	6864
07241C	CLOCK REQUEST @ LUNLAND	T1=12114	SECONDS RUNNING	397527.801008	6016
073427	CLOCK REQUEST @ DISPEXIT	T1=12212	SECONDS RUNNING	397528.427986	2514

DISPLAYS = 63 06 67 +46224 -00443 +46689 397529.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (TABLE MEMBER METRIC UNITS	V CCCSPS)	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPRX OPRY OPRZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS ORS APS	APOLU PERILU
[illegible]7524[illegible]	726560	215.7	- 0.13	- 3.7	- 5.35	0.00	0.02	0.02	0.00	- 0.00	- 24	0	9869	584.8	7.77
110:25:2[illegible]	- 485	- 0.1	- 0.10	4616.4	345.77	173.46	92.87	92.86	- 0.10	0.21	- 5	- 3	981	15019	-425.70
LANDING -	28C330	1385.9	- 3.13	- 45.1	43519	0.02	359.98	0.02	- 0.02	- 0.00	- 625	6	30706	5187	

107447	CLOCK REQUEST @ READACCS	T1=12340	SECONDS RUNNING	397529.281080	9716
107447	CLOCK REQUEST @ PIRSDONE	T1=12340	SECONDS RUNNING	397529.282309	9611
[illegible]76[illegible]6	CLOCK REQUEST @ SERVICER	T1=12341	SECONDS RUNNING	397529.290367	8924
101632	CLOCK REQUEST @ RIGIMS	T1=12423	SECONDS RUNNING	397529.791047	6199
07241C	CLOCK REQUEST @ LUNLAND	T1=12424	SECONDS RUNNING	397529.804498	5051
073427	CLOCK REQUEST @ DISPEXIT	T1=12523	SECONDS RUNNING	397530.434281	1310

DISPLAYS = [illegible] 06 [illegible] +46020 -00450 +46559 397531.000000

397521.	1726589	21[illegible]	- 0.[illegible]	- 3.3	- 5.33	0.00	0.02	0.02	0.00	- 0.00	- 22	- 1	9870	584.8	7.75
110:25:31	- 48[illegible]	- [illegible]	- [illegible]	4556.[illegible]	345.68	173.32	92.63	92.63	- 0.09	0.21	- 5	- 3	981	14954	-432.66
LANDING -	[illegible]	13[illegible]	- 3.14	- 45.7	43465	0.01	359.97	0.02	0.00	- 0.00	- 627	6	30731	5187	

107447	CLOCK REQUEST @ READACCS	T1=12650	SECONDS RUNNING	397531.281080	9050
107447	CLOCK REQUEST @ PIRSDONE	T1=12650	SECONDS RUNNING	397531.282309	8945
076[illegible]6	CLOCK REQUEST @ SERVICER	T1=12651	SECONDS RUNNING	397531.290367	8257
101632	CLOCK REQUEST @ RIGIMS	T1=12733	SECONDS RUNNING	397531.791046	5533

07-41	CLCCK REQUEST 3 LUNLAND	T1=12734	SECONDS RUNNING	397531.809520	3956
07-427	CLCCK REQUEST 3 LISPEXIT	T1=13033	SECONDS RUNNING	397532.435948	0501

DISPLAYS = 63 06 63 +45816 -00456 +46509 397533.000005

SNAPSHOT 397533 SECONDS RUNNING 397533.000005

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	RRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			FCRVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	OELTAV MASS	OPS APS	PERILU
397533.2	1727410	2065	- 3.1	- 2.8	- 5.30	0.01	0.03	0.03	0.00	- 0.00	- 19	- 1	9871	584.8	7.74
110:25:33 -	487 -	0.1	- 3.20	4516.5	345.59	173.12	92.34	92.34	- 0.21	0.21	- 5	- 3	1002	14889	-439.53
LANDING -	[illegible] 557	1374.4	- 3.16	- 46.4	43409	0.02	359.96	0.03	0.01	- 0.00	- 628	6	30666	5187	
107417	CLOCK REQUEST @ RFADACCS							T1=13160		SECONDS RUNNING			397533.281081		8383
107447	CLOCK REQUEST @ PIPSDONE							T1=13160		SECONDS RUNNING			397533.282310		8278
076206	CLOCK REQUEST @ SERVICER							T1=13161		SECONDS RUNNING			397533.290374		7590
101632	CLOCK REQUEST @ RCCIMS							T1=13243		SECONDS RUNNING			397533.791045		4866
072410	CLOCK REQUEST @ LUNLAND							T1=13244		SECONDS RUNNING			397533.801057		4012
073437	CLOCK REQUEST @ DISPEXIT							T1=13242		SECONDS RUNNING			397534.427842		0526
DISPLAYS =	63	06	63	+45612	-00463	+46417									397535.000000
397535.2	1727824	2065	- 3.4	- 2.4	- 5.28	0.01	0.05	0.03	0.00	- 0.00	- 15	0	9872	584.8	7.72
110:25:15 -	483 -	3.1	3.00	4555.1	345.50	172.76	91.89	91.88	- 0.17	0.10	- 5	- 4	1022	14824	-446.32
LANDING -	277818	1368.6	- 3.16	- 47.0	43352	0.04	359.96	0.05	0.00	- 0.00	- 629	5	30601	5187	
107437	CLOCK REQUEST @ RFADACCS							T1=13470		SECONDS RUNNING			397535.281080		7716
107447	CLOCK REQUEST @ PIPSDONE							T1=13470		SECONDS RUNNING			397535.282309		7611
076206	CLOCK REQUEST @ SERVICER							T1=13471		SECONDS RUNNING			397535.290367		6924
101632	CLOCK REQUEST @ RCCIMS							T1=13553		SECONDS RUNNING			397535.791098		4195
072410	CLOCK REQUEST @ LUNLAND							T1=13554		SECONDS RUNNING			397535.805257		2987
073437	CLOCK REQUEST @ DISPEXIT							T1=13653		SECONDS RUNNING			397536.434296		9309
DISPLAYS =	63	06	63	+45407	-00463	+46324									397537.000000
397537.2	1728232	2062	- 3.7	- 1.8	- 5.26	0.02	0.10	0.04	0.00	- 0.00	- 11	- 1	9872	584.8	7.71
110:25:37 -	464 -	3.1	3.0	4534.5	345.42	172.68	91.72	91.72	- 0.02	0.10	- 4	- 3	1043	14759	-453.03
LANDING -	275086	1362.8	- 3.1	- 47.6	43294	0.09	359.95	0.09	0.04	- 0.00	- 631	6	30536	5187	
107437	CLOCK REQUEST @ RFADACCS							T1=14000		SECONDS RUNNING			397537.281080		7050
107447	CLOCK REQUEST @ PIPSDONE							T1=14000		SECONDS RUNNING			397537.282309		6945
076206	CLOCK REQUEST @ SERVICER							T1=14001		SECONDS RUNNING			397537.290367		6257

101632	CLOCK REQUEST @ LOGIMS	T1=14063	SECONDS RUNNING	397537.791369	3505
072410	CLOCK REQUEST @ LUNLAND	T1=14064	SECONDS RUNNING	397537.804866	2353
073437	CLOCK REQUEST @ DISPEXIT	T1=14163	SECONDS RUNNING	397538.432073	8832

DISPLAYS = 63 06 63 +45261 -00474 +46229 397539.000005

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER) METRIC UNITS	A (COORDS)	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COLX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	OGX OGY OGZ	THRUST OPLTAV MASS	RCS OPS APS	APOLU PERILU
397[illegible]9.62	172[illegible]33	198.9	[illegible] -	1.1 -	5.24	0.03	0.16	0.05	0.00 -	0.00 -	16	0	9873	584.8	7.69
110:25:19 -	486 -	0.1	[illegible]	4514.0	345.33	172.58	91.53	91.53 -	0.12	0.21 -	4 -	3	1063	14694	-459.66
LANDING -	272265	1356.9	- 3.17 -	48.2	43234	0.15	359.94	0.16	0.02 -	0.00 -	633	6	30471	5187	

107437	CLOCK REQUEST @ READACCS	T1=14310	SECONDS RUNNING	397539.261080	6383
107447	CLOCK REQUEST @ PIPSCONE	T1=14310	SECONDS RUNNING	397539.282309	6278
076206	CLOCK REQUEST @ SERVICER	T1=14311	SECONDS RUNNING	397539.290367	5590
101632	CLOCK REQUEST @ LOGIMS	T1=14373	SECONDS RUNNING	397539.791116	2860
072410	CLOCK REQUEST @ LUNLAND	T1=14374	SECONDS RUNNING	397539.805358	1645
073437	CLOCK REQUEST @ DISPEXIT	T1=14473	SECONDS RUNNING	397540.431392	8223

DISPLAYS = 63 06 63 +44996 -00481 +46134 397541.000000

397541.62	172[illegible]28	198.6	- 3.05 -	0.6 -	5.21	0.04	0.14	0.05	0.00 -	0.00 -	7 -	1	9874	584.8	7.68
110:25:41 -	487 -	0.1	0.00	4493.4	345.24	172.43	91.30	91.29 -	0.15	0.21 -	3 -	3	1084	14629	-466.21
LANDING -	269656	1351.0	- 3.13 -	48.8	43173	0.14	359.94	0.14	0.02 -	0.00 -	633	6	30406	5187	

107437	CLOCK REQUEST @ READACCS	T1=14620	SECONDS RUNNING	397541.281080	5716
107447	CLOCK REQUEST @ PIPSCONE	T1=14620	SECONDS RUNNING	397541.282309	5611
076206	CLOCK REQUEST @ SERVICER	T1=14621	SECONDS RUNNING	397541.290367	4924
101632	CLOCK REQUEST @ LOGIMS	T1=14703	SECONDS RUNNING	397541.791063	2198
072410	CLOCK REQUEST @ LUNLAND	T1=14704	SECONDS RUNNING	397541.805187	0993
073437	CLOCK REQUEST @ DISPEXIT	T1=15003	SECONDS RUNNING	397542.434542	7288

DISPLAYS = 63 06 63 +44956 -00487 +46027 397543.000000

397543.62	172[illegible]16	198.3	- 3.0[illegible] -	0.0 -	5.19	0.04	0.11	0.06	0.00 -	0.00 -	5 -	1	9875	584.8	7.66
110:25:43 -	488 -	0.1	0.00	4472.7	345.15	172.25	91.03	91.03 -	0.14	0.21 -	4 -	3	1105	14564	-472.68

LANDING - [illegible] 1345.2 - [illegible] - 49.5 431100 0.10 359.93 0.09 - 0.03 - 0.00 - 636 6 30341 5187

107437	CLOCK REQUEST @ READACCS	T1=15130	SECONDS RUNNING	397543.261081	5050
107447	CLOCK REQUEST @ PIPSDONE	T1=15130	SECONDS RUNNING	397543.282310	4945
076206	CLOCK REQUEST @ SERVICER	T1=15131	SECONDS RUNNING	397543.290373	4257
101632	CLOCK REQUEST @ RODIMS	T1=15213	SECONDS RUNNING	397543.792229	1432
07241	CLOCK REQUEST @ LUNLAND	T1=15214	SECONDS RUNNING	397543.806306	0230
07437	CLOCK REQUEST @ LISPEXIT	T1=15313	SECONDS RUNNING	397544.433360	6722

DISPLAYS = 63 6 6- +44584 -00493 +45939 397545.000005

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F V A (STABLE MEMBER COORD) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	OGX OGY OGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERIEU
397545.[illegible]	[illegible]757 185.1 - 0.	0.0 - 5.17		0.05	0.06	0.06	0.00 -	0.00 -	2	0	9875	584.8	7.65
110:25:[illegible] -	489 - 0.1 - 0.	4452.1	345.07	172.06	90.75	90.74 -	0.17	0.21 -	4 -	4	1126	14499	-479.07
LANDING -	26427E 133.3 - 0.15 -	50.1	43046	0.06	359.93	0.06 -	0.00 -	0.00 -	637	6	30276	5187	
107437	CLOCK REQUEST @ READACCS					T1=15440		SECONDS RUNNING			397545.281080		4383
107447	CLOCK REQUEST @ PIPSDONE					T1=15440		SECONDS RUNNING			397545.282309		4278
76206	CLOCK REQUEST @ SERVICER					T1=15441		SECONDS RUNNING			397545.290366		3591
101632	CLOCK REQUEST @ RODIMS					T1=15523		SECONDS RUNNING			397545.791056		0865
07241	CLOCK REQUEST @ LUNLAND					T1=15524		SECONDS RUNNING			397545.804648		9705
07437	CLOCK REQUEST @ LISPEXIT					T1=15623		SECONDS RUNNING			397546.431109		6247

ASTRONAUT KEYSTROKE "VERB" FOR TIME 397546.952
ASTRONAUT KEYSTROKE 5 FOR TIME 397547.202
ASTRONAUT KEYSTROKE 7 FOR TIME 397547.452
ASTRONAUT KEYSTROKE "ENTER" FOR TIME 397547.702

DISPLAYS = 63 06 6[illegible] +44377 -0[illegible] +45840 397547.000000

397547.[illegible]	[illegible]172 185.[illegible]	[illegible]3 - 5.15		0.05	0.02	0.06	0.00 -	0.00	3 -	1	9876	584.8	7.63
110:25:47 -	485 - 0.1 - 0.00	4431.3	344.98	171.73	90.32	90.32 -	0.22	0.10 -	5 -	3	1146	14434	-485.39
LANDING -	[illegible]04 133.3 - 0.[illegible] -	50.7	42980	0.02	359.92	0.02 -	0.03 -	0.00 -	638	5	30211	5187	
107437	CLOCK REQUEST @ READACCS					T1=15750		SECONDS RUNNING			397547.281080		3716
107447	CLOCK REQUEST @ PIPSDONE					T1=15750		SECONDS RUNNING			397547.282309		3611

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    07637    CLOCK REQUEST @ SERVICER                          T1=15751        SECONDS RUNNING     397547.290367        2924

    10167    CLOCK REQUEST @ PROGIMS                           T1=16034        SECONDS RUNNING     397547.801055        9345

    72410    CLOCK REQUEST @ LUNLAND                           T1=16052        SECONDS RUNNING     397547.944623        7094

DISPLAYS =   63   06   68  FLASH   +01442  -07X10  +45840                                                397548.000021

    72417    CLOCK REQUEST @ DISPEXIT                          T1=16156        SECONDS RUNNING     397548.627738        8801

DISPLAYS =   63   06   68  FLASH   +01442  -07X15  +99999                                                397549.000000

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME          V          LATVEL     LAT     YAW   BALL-R   CDUX   PRATE   ATT-X   DPPX   DGX   THRUST  RCS   APOLU
  (SI ELEMENTS) FORVEL      LONG    PITCH   BALL-P   CDUY   QRATE   ATT-Y   DPPY   DGY   CCLTAV  CPS   PERILU
  LANDING       METRIC UNITS  ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE   ATT-Z   DPPZ   DGZ   MASS   APS
397549.2  [illegible]  182.8  [illegible]   0.6 -  5.13   0.06   0.00   0.07   0.00 - 0.00    6    0   9877  584.8    7.62
110:25:48 -   486 -  0.1 -  [illegible]  4410.6  344.89  171.55   90.06  90.06 - 0.06  0.00 -   5 -  3   1167  14369 -491.63
  LANDING - 25542  1327.4 -  [illegible].1 -  51.2  42916 -  0.00  35.92   0.00 - 0.00 - 0.00 - 640    6  30146   5187

    07437    CLOCK REQUEST @ REALACCS                          T1=16260        SECONDS RUNNING     397549.281080        3050

    10744    CLOCK REQUEST @ PIPSDONE                          T1=16260        SECONDS RUNNING     397549.282309        2945

    07620    CLOCK REQUEST @ SERVICER                          T1=16261        SECONDS RUNNING     397549.290932        2209

    10167    CLOCK REQUEST @ PROGIMS                           T1=16344        SECONDS RUNNING     397549.801619        8630

    72410    CLOCK REQUEST @ LUNLAND                           T1=16360        SECONDS RUNNING     397549.929646        7705

DISPLAYS =   63   06   68  FLASH   +01427  -07X15  +99999                                                397550.000006

    72417    CLOCK REQUEST @ DISPEXIT                          T1=16464        SECONDS RUNNING     397550.609860        9660

397551.2  [illegible]  17[illegible].6  [illegible]  1.0 -  5.10   0.06  35.95   0.07   0.00 - 0.00    8 -  1   9878  584.8    7.60
110:25:[illegible] -   487 -  [illegible].1 -  [illegible]  4319.[illegible]  344.81  171.54   89.97  89.96 - 0.07  0.10 -   6 -  3   1188  14304 -497.80
  LANDING - 56292  1321.4 -  [illegible].21 -  51.8  42845 -  0.04  35.91 -  0.04 - 0.02 - 0.00 - 641    6  30081   5187

    07437    CLOCK REQUEST @ REALACCS                          T1=16570        SECONDS RUNNING     397551.281081        2383

    10744    CLOCK REQUEST @ PIPSDONE                          T1=16570        SECONDS RUNNING     397551.282309        2278

    07620    CLOCK REQUEST @ SERVICER                          T1=16571        SECONDS RUNNING     397551.290712        1561

    10167    CLOCK REQUEST @ PROGIMS                           T1=16654        SECONDS RUNNING     397551.801041        8013

    72410    CLOCK REQUEST @ LUNLAND                           T1=16670        SECONDS RUNNING     397551.927820        7194

DISPLAYS =   63   06   68  FLASH   +01413  -07X13  +99999                                                397552.000014

    72417    CLOCK REQUEST @ DISPEXIT                          T1=16774        SECONDS RUNNING     397552.603345        9550
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (SAMPLE NUMBER) LANDING	R V METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS CPS APS	APOLU PERILU
397553.2	1721260	170.5	1.1 -	5.08	0.06	359.86	0.08	0.00 - 0.00	10 -	1	9878	584.8	7.58
110:25:53 -	488 -	0.2 - 0.01	4269.0	344.72	171.41	89.75	89.74 - 0.10	0.10 -	8 -	4	1209	14238	-503.90
LANDING -	259658	1315.4 - 0.22 -	52.4	42776 -	0.14	359.91 -	0.13 - 0.09 -	0.10 -	642	6	30016	5187	
107437	CLOCK REQUEST @ PREALACCS						T1=17100		SECONDS RUNNING			397553.281081	1716
107447	CLOCK REQUEST @ PIPSDONE						T1=17100		SECONDS RUNNING			397553.282309	1611
076006	CLOCK REQUEST @ SERVICER						T1=17101		SECONDS RUNNING			397553.290761	0890
101652	CLOCK REQUEST @ PDGINS						T1=17163		SECONDS RUNNING			397553.791088	8196
07241	CLOCK REQUEST @ LUNLAND						T1=17165		SECONDS RUNNING			397553.812908	6334
DISPLAYS =	63 06 6	FLASH +01499	-07X13	+99999									397554.000020
07347	CLOCK REQUEST @ DISPEXIT						T1=17304		SECONDS RUNNING			397554.606941	8576
DISPLAYS =	63 06 68	FLASH +01399	-07X11	+99999									397555.000000
397555.0	1731610	173.4	0.04	1.2 -	5.06	0.07	359.73	0.08	0.00 - 0.00	15	0	9879	584.8	7.57
110:25:5 -	499 -	0.2 -	0.01	4248.1	344.64	171.29	89.54	89.54 - 0.11	0.21 -	7 -	3	1230	14173	-509.92
LANDING -	251032	1309.4 - 0.23 -	53.0	42705 -	0.27	359.91 -	0.26 - 0.03 -	0.32 -	644	6	29951	5187	
107437	CLOCK REQUEST @ PREALACCS						T1=17410		SECONDS RUNNING			397555.281081	1050
107447	CLOCK REQUEST @ PIPSDONE						T1=17410		SECONDS RUNNING			397555.282309	0945
076006	CLOCK REQUEST @ SERVICER						T1=17411		SECONDS RUNNING			397555.290712	0228
101652	CLOCK REQUEST @ PDGINS						T1=17474		SECONDS RUNNING			397555.802325	6570
07241	CLOCK REQUEST @ LUNLAND						T1=17475		SECONDS RUNNING			397555.815942	5408
DISPLAYS =	63 06 67	FLASH +01384	-07X08	+99999									397556.000030
07347	CLOCK REQUEST @ DISPEXIT						T1=17614		SECONDS RUNNING			397556.609725	7672
397557.2	1731554	170.4	0.03	1.5 -	5.04	0.07	359.80	0.08	0.00 - 0.00	15 -	1	9880	584.8	7.55
110:25:57 -	490 -	0.2 -	0.01	4227.2	344.56	171.14	89.30	89.29 - 0.12	0.21 -	8 -	3	1251	14108	-515.88
LANDING -	248418	1303.4 - 0.24 -	53.7	42632 -	0.20	359.91 -	0.19	0.09 - 0.32 -	645	6	29886	5187	
107437	CLOCK REQUEST @ PREALACCS						T1=17720		SECONDS RUNNING			397557.281081	0383
107447	CLOCK REQUEST @ PIPSDONE						T1=17720		SECONDS RUNNING			397557.282309	0278

7 [illegible]	CLOCK REQUEST @ SERVICER	T1=17721	SECONDS RUNNING	397557.290762	9557
101[illegible]	CLOCK REQUEST @ FDGIMS	T1=20004	SECONDS RUNNING	397557.802886	5855
72410	CLOCK REQUEST @ LUNLAND	T1=20005	SECONDS RUNNING	397557.813029	4990
DISPLAYS =	63 06 68 FLASH +01370 -07X06 +99999				397558.000019
0734 7	CLOCK REQUEST @ DISPEXIT	T1=20124	SECONDS RUNNING	397558.604776	7428

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	E (STABLE MEMBER COORDS) METRIC UNITS	V	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397554.0[illegible]	[illegible]	167.0[illegible]	[illegible]7	2.1 -	5.02	0.08	359.93	0.09	0.00 -	0.00	17 -	1	9881	584.8	7.53
110:25:5[illegible] -	491 -	0.2 -	[illegible]	4390.0[illegible]	344.47	170.95	89.03	89.03 -	0.12	0.21 -	7 -	3	1272	14043	-521.76
LANDING -	24561[illegible]	1697.4	[illegible] -	54.3	4255[illegible] -	0.07	359.69 -	0.06	0.05 -	0.21 -	647	6	29820	5187	
1074.7	CLOCK REQUEST @ READACCS						T1=20230		SECONDS RUNNING				397559.281081		9716
1[illegible]7447	CLOCK REQUEST @ PIPSDONE						T1=20230		SECONDS RUNNING				397559.282309		9611
76[illegible]	CLOCK REQUEST @ SERVICER						T1=20231		SECONDS RUNNING				397559.290712		8894
1[illegible]1642	CLOCK REQUEST @ FDGIMS						T1=20313		SECONDS RUNNING				397559.791056		6198
72410	CLOCK REQUEST @ LUNLAND						T1=20314		SECONDS RUNNING				397559.808397		4719
DISPLAYS =	63 06 68 FLASH +01370 -07X03 +99999														397560.000021
073427	CLOCK REQUEST @ DISPEXIT						T1=20434		SECONDS RUNNING				397560.604292		6802
DISPLAYS =	63 06 68 FLASH +01356 -07X03 +99999														397561.000000
397561.0[illegible]	1772623	164.3	0.0	2.8 -	5.00	0.09	0.07	0.10	0.00 -	0.00	21	0	9881	584.8	7.52
110:26:1 -	487 -	0.2	0.	4285.3	344.39	170.79	88.79	88.79 -	0.11	0.21 -	5 -	4	1293	13978	-527.58
LANDING -	243730	1251.[illegible] -	[illegible] -	54.5	42484	0.06	359.88	0.07	0.07 -	0.10 -	648	5	29755	5187	
107437	CLOCK REQUEST @ READACCS						T1=20540		SECONDS RUNNING				397561.281081		9050
1[illegible]7447	CLOCK REQUEST @ PIPSDONE						T1=20540		SECONDS RUNNING				397561.282309		8945
076200	CLOCK REQUEST @ SERVICER						T1=20541		SECONDS RUNNING				397561.290762		8223
101635	CLOCK REQUEST @ FDGIMS						T1=20624		SECONDS RUNNING				397561.801911		4605
072410	CLOCK REQUEST @ LUNLAND						T1=20625		SECONDS RUNNING				397561.816132		3392
DISPLAYS =	[illegible] 06 [illegible] +01356 -07X0[illegible] +99999														397562.000009
073427	CLOCK REQUEST @ DISPEXIT						T1=20744		SECONDS RUNNING				397562.608342		5790

DISPLAYS = [illegible] 06 [illegible] FLASH +01342 -C7X01 +99999 397563.000006

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER [illegible]) METRIC UNITS	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / CRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APDLU / PERILU
397563.2	1721.49	161.3	3.3	4.98	0.10	0.11	0.12	0.00 - 0.00	24 -	1	9882	584.8	7.50
110:26: 3 -	488 -	0.2	4264.2	344.31	170.62	88.52	88.52 - 0.14	0.10 -	4 -	3	1314	13913	-533.33
LANDING -	240652	1285.4 -	3.1 -	55.5	42408	0.10	359.87	0.10	0.00 - 0.10 - 650	6	29600	5187	
107437	CLOCK REQUEST @ READACCS						T1=21050		SECONDS RUNNING		397563.281081		8383
107447	CLOCK REQUEST @ PIPSDONE						T1=21050		SECONDS RUNNING		397563.282309		8278
76300	CLOCK REQUEST @ SERVICER						T1=21051		SECONDS RUNNING		397563.290713		7561
101632	CLOCK REQUEST @ UPDINS						T1=21133		SECONDS RUNNING		397563.791045		4866
07241C	CLOCK REQUEST @ LUNLAND						T1=21134		SECONDS RUNNING		397563.808942		3339
073437	CLOCK REQULST @ DISPEXIT						T1=21254		SECONDS RUNNING		397564.606535		5277
DISPLAYS =	63 06 6[illegible] FLASH +01328 -06X56 +99999												397565.000000
397565.2	1743.26	158.4	3.12	3.7 - 4.95	0.10	0.11	0.12	0.00 - 0.00	27	0	9883	584.8	7.48
110:26: 5 -	89 -	0.2	0.00	4242.	344.22	170.39	88.21	88.22 - 0.15	0.10 -	4 -	3	1335	13848	-539.01
LANDING -	2386	1279.2 -	3.27 -	56.1	42330	0.10	359.87	0.10	0.00 - 0.10 - 650	6	29625	5187	
107437	CLOCK REQUEST @ READACCS						T1=21360		SECONDS RUNNING		397565.281081		7716
107447	CLOCK REQUEST @ PIPSDONE						T1=21360		SECONDS RUNNING		397565.282309		7611
76300	CLOCK REQUEST @ SERVICER						T1=21361		SECONDS RUNNING		397565.290762		6890
101632	CLOCK REQUEST @ UPDINS						T1=21444		SECONDS RUNNING		397565.803913		3101
07241C	CLOCK REQUEST @ LUNLAND						T1=21445		SECONDS RUNNING		397565.814068		2235
DISPLAYS =	3 6 68 FLASH +01328 -06X54 +99999												397566.000020
073437	CLOCK REQUEST @ DISPEXIT						T1=21565		SECONDS RUNNING		397566.610677		4257
DISPLAYS =	5 06 6[illegible] FLASH +01314 -06X54 +99999												397567.000000
397567.2	1735.3	155.5	0.1	4.1 - 4.93	0.11	0.11	0.13	0.00 - 0.00	30 -	1	9884	584.8	7.46
110:26: 7 -	491 -	0.2	0.00	4322.2	344.14	170.24	87.98	87.97 - 0.10	0.00 -	4 -	3	1356	13783	-544.63
LANDING -	235532	1274.1 -	3.27 -	56.7	42251	0.10	359.86	0.10	0.00 - 0.10 - 653	6	29560	5187	
107437	CLOCK REQUEST @ READACCS						T1=21670		SECONDS RUNNING		397567.281081		7050

[illegible]	CLOCK REQUEST @ PIPSCONE	T1=21670	SECONDS RUNNING	397567.282309	6945
[illegible]	CLOCK REQUEST @ SERVICER	T1=21671	SECONDS RUNNING	397567.290713	6228
101832	CLOCK REQUEST @ REGIMS	T1=21754	SECONDS RUNNING	397567.802566	2549
072410	CLOCK REQUEST @ LUNLAND	T1=21755	SECONDS RUNNING	397567.816363	1372
073437	CLOCK REQUEST @ DISPEXIT	T1=22074	SECONDS RUNNING	397568.609236	3714

DISPLAYS = [illegible] 06 [illegible] FLASH +01300 -06X52 +99999 397569.000006

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V / A (TABLE MEMBER COORDS) METRIC UNITS	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THPLST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397569.2	[illegible] 152.6	[illegible] 4.5	- 4.91	0.12	0.12	0.14	0.00	- 0.00	32	- 1	9884	584.8	7.45
110:26:9	- 290 - [illegible].2	[illegible] 4201.1	344.06	170.13	87.78	87.78	- 0.07	0.00	- 4	- 4	1378	13718	-550.18
LANDING	- [illegible].95	1266.9 - [illegible]	- 57.2	42171	0.11	359.85	0.12	0.02	- 0.10	- 653	6	29495	5187

107437	CLOCK REQUEST @ PLADACCS	T1=22200	SECONDS RUNNING	397569.281081	6383
107447	CLOCK REQUEST @ PIPSCONE	T1=22200	SECONDS RUNNING	397569.282309	6278
[illegible]	CLOCK REQUEST @ SERVICER	T1=22201	SECONDS RUNNING	397569.290763	5557
101832	CLOCK REQUEST @ REGIMS	T1=22263	SECONDS RUNNING	397569.791328	2842
072410	CLOCK REQUEST @ LUNLAND	T1=22264	SECONDS RUNNING	397569.809629	1280
073437	CLOCK REQUEST @ DISPEXIT	T1=22404	SECONDS RUNNING	397570.605739	3345

DISPLAYS = [illegible] 06 6H FLASH +01286 -06X49 +99999 397571.000000

397571.2	1704154	14.7	0.15	5.1	- 4.89	0.12	0.11	0.14	0.00	- 0.00	35	0	9885	584.8	7.43
110:26:11	- 4[illegible]1 -	[illegible].2 -	[illegible]	4179.9	343.96	170.05	87.61	87.62	- 0.09	0.10	- 4	- 3	1399	13653	-555.67
LANDING	- [illegible]	126[illegible] -	[illegible].2	- 57.8	42089	0.10	359.85	0.10	- 0.03	- 0.10	- 655	6	29430	5187	

107437	CLOCK REQUEST @ PLADACCS	T1=22510	SECONDS RUNNING	397571.281081	5716
107447	CLOCK REQUEST @ PIPSCONE	T1=22510	SECONDS RUNNING	397571.282310	5611
[illegible]	CLOCK REQUEST @ SERVICER	T1=22511	SECONDS RUNNING	397571.290714	4894
101832	CLOCK REQUEST @ REGIMS	T1=22574	SECONDS RUNNING	397571.802048	1260
072410	CLOCK REQUEST @ LUNLAND	T1=22575	SECONDS RUNNING	397571.812180	0396
073437	CLOCK REQUEST @ DISPEXIT	T1=22714	SECONDS RUNNING	397572.608566	2438

ASTRONAUT KEYSTROKE "VER " FOR TIME 397572.952

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ASTRONAUT KEYSTROKE                    FOR TIME  397573.202
ASTRONAUT KEYSTROKE                    FOR TIME  397573.452
ASTRONAUT KEYSTROKE "ENTER"            FOR TIME  397573.702

DISPLAYS =     63    06    6   FLASH   +01272  -00447  +99999                    RELEASE DISPLAY          397573.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R        V        A      LATVEL     LAT     YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APDLU
(STABLE MEMBER (CDUROLL)  FCRVEL   LONG   PITCH   BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS        ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397572.2  734491   146.0   .010     5.5 -  4.87    0.13    0.07   0.15   0.00 - 0.00    37 -  1   9886  584.8    7.41
110:26:13 -   492 -   0.2 - 0.00  4158.7  243.90  159.97   87.45  87.45 - 0.08   0.10 -  4 -  3   1420 13587 -561.10
 LANDING - 227146  1154.0 -  0.0 -  58.5   42006   0.06  359.84   0.07 - 0.00   0.10 - 657    6  29365  5187

  107417    CLOCK REQUEST 4 READACCS                          T1=23020      SECONDS RUNNING     397573.281081     5050

  107447    CLOCK REQUEST 3 PIRSDONE                          T1=23020      SECONDS RUNNING     397573.282310     4945

  076[illegible]    CLOCK REQUEST 1 SERVICER                          T1=23021      SECONDS RUNNING     397573.290763     4223

  101632    CLOCK REQUEST 6 PDCIMS                            T1=23110      SECONDS RUNNING     397573.841089     7262

  072410    CLOCK REQUEST 3 LUNLAND                           T1=23113      SECONDS RUNNING     397573.876673     4226

DISPLAYS =     63    XX    XX              XXXXX  -XXX47  +99999                                                397574.000005

  73437     CLOCK REQUEST 3 DISPEXIT                          T1=23234      SECONDS RUNNING     397574.685924     5170

     ASTRONAUT PERFORMS ACTION 4CCC66CC4C AT TIME  397574.9528


     PROCEED CONFUSED BY ASTRONAUT CALL AT T = 397574.9528.

DISPLAYS =     63    06    63              +41445  -00583  +44225                                                397575.000006

397575.2  734481   146.0   .017     6.0 -  4.85    0.14    0.11   0.15   0.00 - 0.00    39 -  1   9887  584.8    7.39
110:26:15 -   492 -   0.2 - 0.00  4127.5  243.82  159.85   87.25  87.25 - 0.10   0.10 -  5 -  4   1442 13522 -566.46
 LANDING - 225449  1248.4 - 3.03 -  59.1   41921   0.10  359.83   0.10 - 0.03   0.10 - 658    6  29300  5187

  107417    CLOCK REQUEST 3 READACCS                          T1=23330      SECONDS RUNNING     397575.281081     4383

  107447    CLOCK REQUEST 3 PIRSDONE                          T1=23330      SECONDS RUNNING     397575.282310     4278

  076[illegible]    CLOCK REQUEST 1 SERVICER                          T1=23331      SECONDS RUNNING     397575.290371     3590

  101632    CLOCK REQUEST 3 PDCIMS                            T1=23413      SECONDS RUNNING     397575.791050     0866

  072410    CLOCK REQUEST 3 LUNLAND                           T1=23414      SECONDS RUNNING     397575.808915     9341

  073437    CLOCK REQUEST 3 DISPEXIT                          T1=23513      SECONDS RUNNING     397576.435612     5863
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DISPLAYS = [illegible] 63 [illegible] 63 +41233 -00589 +44208 397577.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS		LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397577.	1735067	141.2	[illegible]	6.5 -	4.83	0.14	0.13	0.16	0.00 -	0.00	41	0	9887	584.8	7.37
110:26:17 -	493 -	0.2	[illegible]	411.2	343.74	163.67	86.99	86.98 -	0.14	0.10 -	3 -	3	1463	13457	-571.77
LANDING -	22295	1242.2 -	3.31 -	59.7	41835	0.12	359.83	0.13 -	0.00 -	0.10 -	659	6	29234	5187	

107437	CLOCK REQUEST 1 EADACCS	T1=23640	SECONDS RUNNING	397577.281081	3716
107447	CLOCK REQUEST 1 PIPSDONE	T1=23640	SECONDS RUNNING	397577.282310	3611
76[illegible]	CLOCK REQUEST 2 SERVICER	T1=23641	SECONDS RUNNING	397577.290371	2923
10163[illegible]	CLOCK REQUEST 2 [illegible]GIMS	T1=23723	SECONDS RUNNING	397577.791135	0192
072[illegible]	CLOCK REQUEST 2 LUNLAND	T1=23724	SECONDS RUNNING	397577.805121	8998
07[illegible]7	CLOCK REQUEST 3 DISPEXIT	T1=24023	SECONDS RUNNING	397578.434084	5327

DISPLAYS = 63 [illegible]06 63 +41020 -00596 +44090 397579.000000

397579.2	1735247	138.4	0.21	6[illegible] -	4.81	0.15	0.14	0.17	0.00 -	0.00	45 -	1	9888	584.8	7.35
110:26:19 -	494 -	[illegible].2	[illegible]	4194.9	343.66	169.45	86.69	86.69 -	0.12	0.10 -	4 -	3	1485	13392	-577.01
LANDING -	2047[illegible]	1236[illegible] -	3.31 -	60.3	41748	0.14	359.82	0.14 -	0.02 -	0.10 -	661	6	29169	5187	

1[illegible]7437	CLOCK REQUEST 4 EADACCS	T1=24150	SECONDS RUNNING	397579.281081	3050
107447	CLOCK REQUEST 3 PIPSDONE	T1=24150	SECONDS RUNNING	397579.282310	2945
76[illegible]	CLOCK REQUEST 2 SERVICER	T1=24151	SECONDS RUNNING	397579.290371	2257
1016[illegible]	CLOCK REQUEST 2 [illegible]GIMS	T1=24233	SECONDS RUNNING	397579.791330	9508
07241[illegible]	CLOCK REQUEST 2 LUNLAND	T1=24234	SECONDS RUNNING	397579.805400	8308
0744[illegible]7	CLOCK REQUEST 3 DISPEXIT	T1=24333	SECONDS RUNNING	397580.431590	4873

DISPLAYS = 6[illegible] [illegible]6 6[illegible] +40807 -00602 +43970 397581.000006

397581.2	1735620	135.7	[illegible]	7.4 -	4.79	0.16	0.15	0.17	0.00 -	0.00	48	0	9889	584.8	7.33
110:27:21 -	494 -	0.2	0.00	4073.5	343.58	169.33	86.49	86.48 -	0.08	0.10 -	4 -	4	1506	13327	-582.19
LANDING -	21[illegible]15	1229.8 -	[illegible] -	60.9	41659	0.14	359.81	0.14	0.04 -	0.10 -	662	6	29104	5187	

1[illegible]7437	CLOCK REQUEST 4 EADACCS	T1=24460	SECONDS RUNNING	397581.281081	2383
1[illegible]7447	CLOCK REQUEST 3 PIPSDONE	T1=24460	SECONDS RUNNING	397581.282310	2278

076[illegible]	CLOCK REQUEST @ SERVICER	T1=24461	SECONDS RUNNING	397581.290371	1590
101[illegible]	CLOCK REQUEST @ LGIMS	T1=24543	SECONDS RUNNING	397581.791069	8864
072410	CLOCK REQUEST @ LUNLAND	T1=24544	SECONDS RUNNING	397581.805234	7655
073437	CLOCK REQUEST @ LISPCXIT	T1=24643	SECONDS RUNNING	397582.432599	4120
DISPLAYS =	63 [illegible] 6 [illegible]	+.0593 -[illegible]	+[illegible]849		397583.000000

SNAPSHOT 3 7583 SECONDS RUNNING 397583.000036

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (ABLE MEMBER COLUMN)	V	L/TVEL FCSVLL	LAT LDNG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST CFLTAV	RCS CPS	APDLU PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397585.02	173889	1330	[illegible]	7.8 -	4.77	0.17	0.14	0.18	0.00 -	0.00	50 - 1	9890	584.8	7.32
110:26:[illegible] -	495 -	[illegible]	[illegible]	4052.1	343.50	169.25	86.33	86.33 -	0.07	0.10 -	3 - 3	1528	13262	-587.32
LANDING -	15550	1223.5 -	[illegible] -	61.5	41565	0.13	359.81	0.14	0.04 -	0.10 -	663 6	28039	5187	

107437	CLOCK REQUEST [illegible] REALACCS	T1=24770	SECONDS RUNNING	397583.281081	1716
107447	CLOCK REQUEST [illegible] PIPSUCNE	T1=24770	SECONDS RUNNING	397583.282310	1611
076206	CLOCK REQUEST [illegible] SERVICER	T1=24771	SECONDS RUNNING	397583.290371	0923
101432	CLOCK REQUEST [illegible] PCGIMS	T1=25053	SECONDS RUNNING	397583.791043	8199
72410	CLOCK REQUEST [illegible] LUNLAND	T1=25054	SECONDS RUNNING	397583.804724	7032
073437	CLOCK REQUEST [illegible] DISPEXIT	T1=25153	SECONDS RUNNING	397584.433739	3356

DISPLAYS = 63 06 63 +40380 -00614 +43727 397585.000000

397585.02	173615	1302	0.24	8.4 -	4.75	0.17	0.17	0.19	0.00 -	0.00	52 - 1	9890	584.8	7.30
110:26:[illegible] -	495 -	[illegible]	[illegible]	4030.7	343.42	169.15	86.18	86.18 -	0.07	0.21 -	3 - 3	1549	13196	-592.39
LANDING -	21315	1217.2 -	[illegible] -	62.2	41477	0.17	359.80	0.17	0.00 -	0.00 -	665 6	28974	5187	

107437	CLOCK REQUEST [illegible] REALACCS	T1=25300	SECONDS RUNNING	397585.281081	1050
107447	CLOCK REQUEST [illegible] PIPSUCNE	T1=25300	SECONDS RUNNING	397585.282310	0945
076206	CLOCK REQUEST [illegible] SERVICER	T1=25301	SECONDS RUNNING	397585.290371	0257
101432	CLOCK REQUEST [illegible] PCGIMS	T1=25363	SECONDS RUNNING	397585.791048	7532
72410	CLOCK REQUEST [illegible] LUNLAND	T1=25364	SECONDS RUNNING	397585.804409	6392
073437	CLOCK REQUEST [illegible] DISPEXIT	T1=25462	SECONDS RUNNING	397586.429900	3017

DISPLAYS = 63 06 63 +40165 -00620 +43604 397587.000007

397587.02	173411	1276	0.25	9.0 -	4.73	0.18	0.21	0.19	0.00 -	0.00	54 0	9891	584.8	7.28
110:26:[illegible] -	495 -	[illegible]	[illegible]	4009.2	343.34	169.07	85.99	85.98 -	0.11	0.21 -	3 - 4	1571	13131	-597.40
LANDING -	21693	1210.9 -	[illegible] -	62.8	41384	0.20	359.79	0.20	0.04 -	0.00 -	666 6	28908	5187	

107437	CLOCK REQUEST [illegible] REALACCS	T1=25610	SECONDS RUNNING	397587.281081	0383
107447	CLOCK REQUEST [illegible] PIPSUCNE	T1=25610	SECONDS RUNNING	397587.282310	0278
076206	CLOCK REQUEST [illegible] SERVICER	T1=25611	SECONDS RUNNING	397587.290372	9590

101[illegible]	CLOCK REQUEST @ RECINS	T1=25673	SECONDS RUNNING	397587.791050	6866
072410	CLOCK REQUEST @ LUNLAND	T1=25674	SECONDS RUNNING	397587.804388	5727
73437	CLOCK REQUEST @ DISPEXIT	T1=25772	SECONDS RUNNING	397588.429596	2376

DISPLAYS = 62 06 63 +39951 -00626 +43479 397589.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V		LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRLST DELTAV MASS	RCS OPS APS	APOLU PERILU
397589.02	1736667	1249	0.00	5.3 -	4.71	0.19	0.17	0.20	0.00 -	0.00	57 -	1	9892	584.8	7.26
110:26:[illegible] -	436 -	0.1	[illegible]	3987.6	343.26	168.95	85.79	85.79 -	0.10	0.21 -	3 -	3	1593	13066	-602.35
LANDING -	208272	1204.6	- 3.35 -	63.5	41290	0.16	359.78	0.17 -	0.04 -	0.00 -	667	6	28843	5187	

107437	CLOCK REQUEST @ READACCS	T1=26120	SECONDS RUNNING	397589.281081	9716
107447	CLOCK REQUEST @ PIPSDONE	T1=26120	SECONDS RUNNING	397589.282310	9611
07620[illegible]	CLOCK REQUEST @ SERVICER	T1=26121	SECONDS RUNNING	397589.290372	8923
101632	CLOCK REQUEST @ RECINS	T1=26203	SECONDS RUNNING	397589.794135	5936
072410	CLOCK REQUEST @ LUNLAND	T1=26204	SECONDS RUNNING	397589.804281	5070
07437	CLOCK REQUEST @ DISPEXIT	T1=26303	SECONDS RUNNING	397590.431413	1555

DISPLAYS = 63 06 63 +39736 -00633 +43353 397591.000000

397591.02	1736910	1223	0.38	5.7 -	4.69	0.19	0.13	0.20	0.00 -	0.00	59 -	1	9893	584.8	7.24
110:26:31 -	436 -	0.1 -	0.00	3966.1	343.19	168.81	85.57	85.57 -	0.10	0.21 -	4 -	4	1614	13001	-607.25
LANDING -	205872	1198.2	- 3.36 -	64.1	41194	0.12	359.78	0.13 -	0.04 -	0.00 -	669	6	28778	5187	

107437	CLOCK REQUEST @ READACCS	T1=26430	SECONDS RUNNING	397591.281081	9050
107447	CLOCK REQUEST @ PIPSDONE	T1=26430	SECONDS RUNNING	397591.282310	8945
07620[illegible]	CLOCK REQUEST @ SERVICER	T1=26431	SECONDS RUNNING	397591.290372	8257
101632	CLOCK REQUEST @ RECINS	T1=26513	SECONDS RUNNING	397591.791051	5532
072410	CLOCK REQUEST @ LUNLAND	T1=26514	SECONDS RUNNING	397591.804674	4370
07437	CLOCK REQUEST @ DISPEXIT	T1=26613	SECONDS RUNNING	397592.430693	0949

DISPLAYS = 63 06 63 +39520 -00633 +43226 397593.000007

397593.02	1737151	1197	0.[illegible]	10.1 -	4.67	0.20	0.11	0.21	0.00 -	0.00	61	0	9893	584.8	7.22
110:26:35 -	436 -	0.1 -	0.00	3944.5	343.11	168.70	85.38	85.38 -	0.14	0.32 -	4 -	3	1636	12936	-612.10

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LANDING - [illegible] 1191.[illegible] - 3.[illegible] - 64.8   41096   .11  359.77   0.10 - 0.02 - 0.10 - 670   6  28713   5187

  107437   CLOCK REQUEST @ READACCS                    T1=26740   SECONDS RUNNING   397593.281081   8383
  107447   CLOCK REQUEST @ PIPSDONE                    T1=26740   SECONDS RUNNING   397593.282310   8278
  76CC6    CLOCK REQUEST @ SERVICER                    T1=26741   SECONDS RUNNING   397593.290373   7590
  101032   CLOCK REQUEST @ RCGIMS                      T1=27023   SECONDS RUNNING   397593.791044   4866
  07241C   CLOCK REQUEST @ LUNLAND                     T1=27024   SECONDS RUNNING   397593.804596   3710
  73437    CLOCK REQUEST @ DISPEXIT                    T1=27122   SECONDS RUNNING   397594.429871   0353
DISPLAYS =  03   06   63          +39204  -00646  +43098                                            397595.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        V          LATVEL     LAT     YAW   BALL-P   CDUX   PRATE   ATT-X   DPPX   OGX   THRUST   RCS    APOLU
(STABLE MEMBER COORD)   FORWVEL    LONG   PITCH   BALL-P   CDUY   QRATE   ATT-Y   DPPY   OGY   DELTAV   DPS    PERILU
 LANDING      METRIC UNITS       ALTRATE    ALT    ROLL   BALL-Y   CDUZ   RRATE   ATT-Z   DPPZ   OGZ    MASS   APS
397595.2  1737621   1174.1   3.32   10.7 -  4.63   0.20   0.04   0.21   0.00 - 0.00    65 -  1   9894  584.8    7.20
110:26:35 -   496 -   0.1 - 0.01 - 3922.8  343.03  168.33  84.98  84.97 - 0.16   0.21 -  4 -  3   1658 12870 -616.89
  LANDING - 201100  1185.6 - 3.27 -  65.4   40997   0.04  359.77   0.04 - 0.02 - 0.10 - 672   6  28648   5187

  107437   CLOCK REQUEST @ READACCS                    T1=27250   SECONDS RUNNING   397595.281081   7716
  107447   CLOCK REQUEST @ PIPSDONE                    T1=27250   SECONDS RUNNING   397595.282310   7611
  76CC6    CLOCK REQUEST @ SERVICER                    T1=27251   SECONDS RUNNING   397595.290373   6923
  101032   CLOCK REQUEST @ RCGIMS                      T1=27333   SECONDS RUNNING   397595.791051   4199
  07241C   CLOCK REQUEST @ LUNLAND                     T1=27334   SECONDS RUNNING   397595.804426   3057
  73437    CLOCK REQUEST @ DISPEXIT                    T1=27433   SECONDS RUNNING   397596.431248   9569
DISPLAYS =  03   06   63          +39068  -00653  +42968                                            397597.000000

397597.2  1737621   1174.6   3.32   10.7 -  4.63   0.21   0.06   0.23   0.00 - 0.00    69 -  1   9895  584.8    7.18
110:26:37 -   496 -   0.1 - 0.01 - 3931.1  342.96  168.28  84.80  84.80 - 0.08   0.21 -  5 -  4   1680 12805 -621.62
  LANDING - 177738  1179.2 - 3.27 -  66.0   40897   0.05  359.76   0.06   0.02 - 0.10 - 673   6  28582   5187

  107437   CLOCK REQUEST @ READACCS                    T1=27560   SECONDS RUNNING   397597.281081   7050
  107447   CLOCK REQUEST @ PIPSDONE                    T1=27560   SECONDS RUNNING   397597.282310   6945
  76CC6    CLOCK REQUEST @ SERVICER                    T1=27561   SECONDS RUNNING   397597.290373   6257
  101032   CLOCK REQUEST @ RCGIMS                      T1=27643   SECONDS RUNNING   397597.791079   3530
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072410    CLOCK REQUEST @ LUNLAND                          T1=27644     SECONDS RUNNING     397597.803508     2469

073437    CLOCK REQUEST @ DISPEXIT                         T1=27742     SECONDS RUNNING     397598.429231     9074

DISPLAYS =   63   06   63        +38871  -00658  +42837                                     397599.000007
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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   TIME      R        V        A   LATVEL   LAT     YAW   BALL-R  CDUX   PRATE  ATT-X  DPPX  DCX  THRUST  RCS   APOLU
            (STABLE MEMBER COORDS)  FCRVEL  LONG   PITCH  BALL-P  CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DFS   PERILU
  LANDING      METRIC UNITS         ALTRATE  ALT    ROLL   BALL-Y  CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397599.02  737542   1120.0   0.24    11.1 -  4.61   0.22   0.09   0.24   0.00 - 0.00    71    0   9896  584.8    7.16
110:26:35 -   496 -   0.1 -  0.00  3879.4  342.88  168.11  84.57  84.56 - 0.11  0.21 -   4 -   3   1702 12740 -626.31
  LANDING - 196394  1172.8 -  3.38 -  66.6   40795   0.08  359.75   0.08   0.02 - 0.10 - 674    6  28517  5187

107437    CLOCK REQUEST @ READACCS                         T1=30070     SECONDS RUNNING     397599.281081     6383

107447    CLOCK REQUEST @ PIPSDONE                         T1=30070     SECONDS RUNNING     397599.282310     6278

076206    CLOCK REQUEST @ SERVICER                         T1=30071     SECONDS RUNNING     397599.290374     5590

101632    CLOCK REQUEST @ FLGIMS                           T1=30153     SECONDS RUNNING     397599.791046     2866

072410    CLOCK REQUEST @ LUNLAND                          T1=30154     SECONDS RUNNING     397599.804344     1731

073437    CLOCK REQUEST @ DISPEXIT                         T1=30252     SECONDS RUNNING     397600.429467     8387

DISPLAYS =   63   06   63        +38654  -00664  +42705                                     397601.000000

397601.2  737169   1095.5   0.35    11.6 -  4.59   0.23   0.13   0.24   0.00 - 0.00    75 -   1   9896  584.8    7.13
110:26:41 -   496 -   0.1   0.00  3857.7  342.81  167.97  84.34  84.34 - 0.06  0.21 -   4 -   4   1724 12675 -630.94
  LANDING - 194948  1166.3 -  3.39 -  67.2   40692   0.12  359.75   0.13   0.05 - 0.10 - 676    6  28452  5187

107437    CLOCK REQUEST @ READACCS                         T1=30400     SECONDS RUNNING     397601.281081     5716

107447    CLOCK REQUEST @ PIPSDONE                         T1=30400     SECONDS RUNNING     397601.282310     5611

076206    CLOCK REQUEST @ SERVICER                         T1=30401     SECONDS RUNNING     397601.290374     4923

101632    CLOCK REQUEST @ FLGIMS                           T1=30463     SECONDS RUNNING     397601.791048     2199

072410    CLOCK REQUEST @ LUNLAND                          T1=30464     SECONDS RUNNING     397601.805298     0983

073437    CLOCK REQUEST @ DISPEXIT                         T1=30563     SECONDS RUNNING     397602.434660     7277

DISPLAYS =   63   06   63        +38437  -00670  +42572                                     397603.000000

397602.2  738286   1076.1   0.36    11.9 -  4.57   0.23   0.11   0.25   0.00 - 0.00    76 -   1   9897  584.8    7.11
110:26:45 -   496 -   0.1   0.00  3835.9  342.73  167.82  84.12  84.12 - 0.15  0.21 -   4 -   3   1746 12609 -635.51
  LANDING - 191712  1157.9 -  3.40 -  67.8   40588   0.10  359.74   0.10   0.02 - 0.10 - 676    6  28287  5187
```

[illegible]7457	CLOCK REQUEST @ READACCS	T1=30710	SECONDS RUNNING	397603.281081	5050
[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=30710	SECONDS RUNNING	397603.282310	4945
[illegible]762C0	CLOCK REQUEST @ SERVICER	T1=30711	SECONDS RUNNING	397603.290374	4257
101632	CLOCK REQUEST @ RCGIMS	T1=30773	SECONDS RUNNING	397603.791056	1532
[illegible]72410	CLOCK REQUEST @ LUNLAND	T1=30774	SECONDS RUNNING	397603.804562	0379
07.437	CLOCK REQUEST @ LISPEXIT	T1=31072	SECONDS RUNNING	397604.428696	7120

DISPLAYS = 63 06 63 +38219 -00676 +42437 397605.000007

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORD) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE GRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRLST DELTAV MASS	RCS DPS APS	APOLU PERILU
397[illegible]5.2	173[illegible]49	10[illegible]7	[illegible]	12.4 -	4.55	0.24	0.16	0.26	0.00 -	0.00	80	0	9898	584.8	7.09
110:26:45 -	49[illegible] -	[illegible]1	[illegible]	3814.1	342.66	167.67	83.89	83.89 -	0.14	0.21 -	4 -	3	1768	12544	-640.04
LANDING -	1[illegible]402	1153.5 -	3.41 -	68.	40482	0.16	359.73	0.16	0.00 -	0.10 -	678	6	28321	5187	

107457	CLOCK REQUEST @ READACCS	T1=31220	SECONDS RUNNING	397605.281081	4383
107447	CLOCK REQUEST @ PIPSDONE	T1=31220	SECONDS RUNNING	397605.282311	4278
[illegible]762[illegible]	CLOCK REQUEST @ SERVICER	T1=31221	SECONDS RUNNING	397605.290374	3590
101632	CLOCK REQUEST @ RCGIMS	T1=31303	SECONDS RUNNING	397605.793458	0660
[illegible]72410	CLOCK REQUEST @ LUNLAND	T1=31304	SECONDS RUNNING	397605.803618	9793
[illegible]73437	CLOCK REQUEST @ LISPEXIT	T1=31402	SECONDS RUNNING	397606.429370	6396

DISPLAYS = 63 06 63 +38001 -00682 +42301 397607.000000

397607.2	1738705	102.3	0.0	12.7 -	4.53	0.25	0.13	0.26	0.00 -	0.00	83 -	1	9899	584.8	7.07
110:26:47 -	496 -	0.1	0.0	3792.2	342.59	167.47	83.61	83.61 -	0.11	0.10 -	3 -	4	1790	12479	-644.51
LANDING -	1[illegible]7105	1147.0 -	3.41 -	68.9	40375	0.13	359.72	0.13 -	0.00 -	0.10 -	680	6	28256	5187	

107457	CLOCK REQUEST @ READACCS	T1=31530	SECONDS RUNNING	397607.261081	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=31530	SECONDS RUNNING	397607.282311	3611
[illegible]762C0	CLOCK REQUEST @ SERVICER	T1=31531	SECONDS RUNNING	397607.290374	2923
101632	CLOCK REQUEST @ RCGIMS	T1=31612	SECONDS RUNNING	397607.781103	1048
[illegible]72410	CLOCK REQUEST @ LUNLAND	T1=31613	SECONDS RUNNING	397607.798726	9544
[illegible]73437	CLOCK REQUEST @ LISPEXIT	T1=31712	SECONDS RUNNING	397608.426830	5946

DISPLAYS = 63 06 [illegible] +37782 -00687 +42164 397609.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (TABLE NUMBER CHANGES) METRIC UNITS	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397609.2	173[illegible]9CR	59.9	0.41	13.1 -	4.51	0.26	0.15	0.27	0.00 -	0.00	86	0	9899	584.8	7.05
110:26:4 -	496 -	0.1	0.00	3770.3	342.51	167.35	83.42	83.41 -	0.11	0.10 -	4 -	3	1812	12414	-648.94
LANDING -	182815	1140.5 -	3.42 -	69.4	40267	0.14	359.72	0.14 -	0.02 -	0.10 -	680	6	28191	5187	

107437	CLOCK REQUEST @ READACCS	T1=32040	SECONDS RUNNING	397609.281081	3050
107447	CLOCK REQUEST @ PIPSDONE	T1=32040	SECONDS RUNNING	397609.282311	2945
176200	CLOCK REQUEST @ SERVICER	T1=32041	SECONDS RUNNING	397609.290375	2256
101632	CLOCK REQUEST @ RCGIMS	T1=32123	SECONDS RUNNING	397609.793796	9298
102410	CLOCK REQUEST @ LUNLAND	T1=32124	SECONDS RUNNING	397609.807315	8144
073407	CLOCK REQUEST @ DISPEXIT	T1=32223	SECONDS RUNNING	397610.433521	4708

DISPLAYS = 63 06 63 +37564 -00692 +42027 397611.000007

397611.2	173[illegible]105	57.5	0.42	13.5 -	4.49	0.26	0.11	0.28	0.00 -	0.00	88 -	1	9900	584.8	7.03
110:26:5[illegible] -	495 -	0.1 -	0.00	3748.3	342.44	167.35	83.34	83.24 -	0.03	0.10 -	4 -	4	1834	12348	-653.32
LANDING -	182544	1134.0 -	3.42 -	70.0	40157	0.10	359.71	0.10 -	0.02 -	0.10 -	683	6	28126	5187	

107437	CLOCK REQUEST @ READACCS	T1=32350	SECONDS RUNNING	397611.281081	2383
107447	CLOCK REQUEST @ PIPSDONE	T1=32350	SECONDS RUNNING	397611.282311	2278
176200	CLOCK REQUEST @ SERVICER	T1=32351	SECONDS RUNNING	397611.290375	1590
101[illegible]	CLOCK REQUEST @ RCGIMS	T1=32433	SECONDS RUNNING	397611.791049	8866
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=32434	SECONDS RUNNING	397611.804368	7729
07340[illegible]	CLOCK REQUEST @ DISPEXIT	T1=32533	SECONDS RUNNING	397612.430676	4284

DISPLAYS = 63 06 [illegible] +37344 -00698 +41888 397613.000000

397613.2	173[illegible]298	55.2	0.43	13.5 -	4.48	0.27	0.14	0.28	0.00 -	0.00	90 -	1	9901	584.8	7.00
110:26:54 -	495 -	0.1 -	0.00	3726.3	342.37	167.20	83.12	83.12 -	0.09	0.10 -	4 -	3	1856	12283	-657.65
LANDING -	180275	1127.5 -	3.41 -	70.5	40046	0.13	359.70	0.14 -	0.00 -	0.10 -	683	6	28060	5187	

107437	CLOCK REQUEST @ READACCS	T1=32660	SECONDS RUNNING	397613.281081	1716
107447	CLOCK REQUEST @ PIPSDONE	T1=32660	SECONDS RUNNING	397613.282311	1611

076[illegible]	CLOCK REQUEST 1 SERVICER	T1=32661	SECONDS RUNNING	397613.290375	0923
101[illegible]	CLOCK REQUEST [illegible]GIMS	T1=32742	SECONDS RUNNING	397613.791053	9052
072416	CLOCK REQUEST 4 LUNLAND	T1=32743	SECONDS RUNNING	397613.758808	7537
073437	CLOCK REQUEST 0 DISPEXIT	T1=33042	SECONDS RUNNING	397614.428980	3762

DISPLAYS = 63 06 63 +37024 -00703 +41746 397615.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PPATE QPATE RPATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
LANDING	METRIC UNITS												
397615.0[illegible]	173548 92.9 [illegible].46	14.2 -	4.46	0.28	0.07	0.29	0.00 -	0.00	93	0	9902	584.8	6.98
110:26:55 -	495 - 0.01 -	0.00 3704.3	342.29	167.08	82.92	82.92 -	0.07 -	0.00 -	3 -	4	1879	12218	-661.93
LANDING -	178024 112.9 -	0.44 - 71.1	35934	0.07	356.70	0.06 -	0.08 -	0.10 -	685	6	27995	5187	

1074[illegible]7	CLOCK REQUEST 4 READACCS	T1=33170	SECONDS RUNNING	397615.281081	1050
107[illegible]7	CLOCK REQUEST 0 PIPSDONE	T1=33170	SECONDS RUNNING	397615.282311	0945
076[illegible]6	CLOCK REQUEST 0 SERVICER	T1=33171	SECONDS RUNNING	397615.290376	0256
[illegible]	CLOCK REQUEST 4 RCGIMS	T1=33253	SECONDS RUNNING	397615.791047	7532
072416	CLOCK REQUEST 4 LUNLAND	T1=33254	SECONDS RUNNING	397615.808577	6037
0734[illegible]7	CLOCK REQUEST 0 DISPEXIT	T1=33353	SECONDS RUNNING	397616.437683	2353

DISPLAYS = 63 06 63 +36504 -00703 +41606 397617.000008

397617.	173567 9[illegible].6 [illegible].45	14.5 -	4.44	0.28	0.04	0.29	0.00 -	0.00	95 -	1	9902	584.8	6.96
110:26:57 -	494 - 0.01 -	0.00 3682.2	342.22	166.96	82.73	82.73 -	0.07 -	0.00 -	5 -	3	1901	12152	-666.16
LANDING -	175756 111.[illegible] -	[illegible].44 - 71.7	35821	0.04	359.69	0.04	0.07 -	0.21 -	686	6	27930	5187	

1074[illegible]7	CLOCK REQUEST 0 READACCS	T1=33500	SECONDS RUNNING	397617.281081	0383
1[illegible]7	CLOCK REQUEST 4 PIPSDONE	T1=33500	SECONDS RUNNING	397617.282311	0278
076[illegible]	CLOCK REQUEST 0 SERVICER	T1=33501	SECONDS RUNNING	397617.290376	9590
101[illegible]	CLOCK REQUEST 4 RCGIMS	T1=33563	SECONDS RUNNING	397617.791146	6857
072416	CLOCK REQUEST [illegible] LUNLAND	T1=33564	SECONDS RUNNING	397617.805152	5662
0734[illegible]7	CLOCK REQUEST 0 DISPEXIT	T1=[illegible]3663	SECONDS RUNNING	397618.433327	2058

DISPLAYS = 63 06 63 +36683 -00714 +41464 397619.000000

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397619.   174983   8[illegible]   [illegible]   15.0 -  4.42    0.29    0.11    0.30   0.00 - 0.00    97 -  1   9903  584.8    6.94
110:26:59 -   498 -   0.1 -  3.0  3661.0  342.15  166.97   82.67   82.67 - 0.05   0.10 -   4 -  4   1924  12087 -670.35
  LANDING - 173576  1107.8 -  3.45 -  72.2   39706   0.11  359.68   0.10   0.06 - 0.10 -  688    6  27864   5187

  107437    CLOCK REQUEST @ READACCS                    T1=34010    SECONDS RUNNING    397619.281081    9716

  107447    CLOCK REQUEST @ PIPSDONE                    T1=34010    SECONDS RUNNING    397619.282311    9611

  076266    CLOCK REQUEST @ SERVICER                    T1=34011    SECONDS RUNNING    397619.290376    8923

  101632    CLOCK REQUEST @ BUGINS                      T1=34072    SECONDS RUNNING    397619.781083    7049

  072410    CLOCK REQUEST @ LUNLAND                     T1=34073    SECONDS RUNNING    397619.799903    5443

  073437    CLOCK REQUEST @ DISPEXIT                    T1=34173    SECONDS RUNNING    397620.430581    1626

DISPLAYS =    63    06    63        +36462  -00720  +41321                                              397621.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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  TIME                V      A   LATVEL    LAT     YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
        (STABLE MEMBER COORDS)  FORVEL   LONG   PITCH   BALL-P   CDUY   CRATE  ATT-Y  DPPY  DGY  DELTAV  CPS   PERILU
  LANDING       METRIC UNITS    ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397621.   174[illegible]   86.[illegible]   3.47   15.4 -  4.40    0.30    0.10    0.31   0.00 - 0.00    98    0   9904  584.8    6.91
110:27:1 -   493 -   0.1   0.0  3637.9  342.08  166.82   82.45   82.45 - 0.05   0.00 -   4 -  3   1946  12022 -674.50
  LANDING - 171364  1101.2 -  3.46 -  72.8   39590   0.10  359.67   0.09   0.04 - 0.21 -  689    7  27799   5187

  107437    CLOCK REQUEST @ READACCS                    T1=34320    SECONDS RUNNING    397621.281081    9050

  107447    CLOCK REQUEST @ PIPSDONE                    T1=34320    SECONDS RUNNING    397621.282311    8945

  076266    CLOCK REQUEST @ SERVICER                    T1=34321    SECONDS RUNNING    397621.290376    8256

  101632    CLOCK REQUEST @ BUGINS                      T1=34403    SECONDS RUNNING    397621.791048    5532

  072410    CLOCK REQUEST @ LUNLAND                     T1=34404    SECONDS RUNNING    397621.807803    4103

  073437    CLOCK REQUEST @ DISPEXIT                    T1=34503    SECONDS RUNNING    397622.436319    0469

DISPLAYS =    63    06    63        +36240  -00726  +41176                                              397623.000008

397623.   174019   83.9   3.49   15.8 -  4.36    0.31    0.13    0.32   0.00 - 0.00   102 -  1   9905  584.8    6.89
110:27:[illegible] -   498 -   0.1   3.0  3615.6  342.71  166.74   82.30   82.25 - 0.11   0.10 -   4 -  4   1968  11956 -678.59
  LANDING - 169171  1094.8 -  3.46 -  73.4   39473   0.13  359.66   0.13   0.07 - 0.10 -  691    6  27734   5187

  107437    CLOCK REQUEST @ READACCS                    T1=34630    SECONDS RUNNING    397623.281081    8383

  107447    CLOCK REQUEST @ PIPSDONE                    T1=34630    SECONDS RUNNING    397623.282311    8278

  076266    CLOCK REQUEST @ SERVICER                    T1=34631    SECONDS RUNNING    397623.290377    7590
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101[illegible]	CLOCK REQUEST [illegible]LCIMS	T1=34713	SECONDS RUNNING	397623.793581	4650
072410	CLOCK REQUEST @ LUNLAND	T1=34714	SECONDS RUNNING	397623.803743	3782
073437	CLOCK REQUEST @ DISPEXIT	T1=35013	SECONDS RUNNING	397624.432255	0149

ASTRONAUT KEYSTROKE "VERB" FOR TIME 397624.952
ASTRONAUT KEYSTROKE 5 FOR TIME 397625.202
ASTRONAUT KEYSTROKE 7 FOR TIME 397625.452
ASTRONAUT KEYSTROKE "ENTER" FOR TIME 397625.702

DISPLAYS = 63 06 65 +36018 -05732 +41031 397625.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN FES, FT, NMT, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	RRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FERVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY		DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	DELTAV MASS	APS	
397625.2	174[illegible]259	81.7	0.5[illegible]	16.7 -	4.36	0.32	0.14	0.32	0.00 -	0.00	103 -	1	9905	584.8	6.87
110:27: 5 -	497 -	0.0	0.01	3593.4	341.94	166.59	82.07	82.06 -	0.09 -	0.00 -	4 -	3	1991	11891	-682.65
LANDING -	164815	1087.9 -	3.47 -	74.0	39354	0.14	359.66	0.14	0.02 -	0.10 -	692	6	27668	5187	

107437	CLOCK REQUEST @ [illegible]LEADACCS	T1=35140	SECONDS RUNNING	397625.281081	7716
107447	CLOCK REQUEST @ PIPSDONE	T1=35140	SECONDS RUNNING	397625.282311	7611
076216	CLOCK REQUEST @ SERVICER	T1=35141	SECONDS RUNNING	397625.290377	6923
101[illegible]	CLOCK REQUEST @ [illegible]DGIMS	T1=35224	SECONDS RUNNING	397625.801052	3345
072410	CLOCK REQUEST @ LUNLAND	T1=35242	SECONDS RUNNING	397625.943768	1167

DISPLAYS = 63 06 [illegible] FLASH +00927 -05732 +41031 397626.000020

073437	CLOCK REQUEST @ DISPEXIT	T1=35346	SECONDS RUNNING	397626.628118	2769

DISPLAYS = 63 06 68 FLASH +00927 -05845 +99999 397627.000000

397627.2	174[illegible]820	79.5	0.5[illegible]	16.6 -	4.35	0.32	0.12	0.34	0.00 -	0.00	106	0	9906	584.8	6.84
110:27: 7 -	496 -	0.0	0.01	3571.1	341.87	166.63	82.04	82.04	0.04	0.10 -	3 -	4	2014	11826	-686.66
LANDING -	164815	1081.3 -	3.47 -	74.6	39234	0.12	359.65	0.12	0.02 -	0.10 -	695	6	27603	5187	

107437	CLOCK REQUEST @ [illegible]EADACCS	T1=35450	SECONDS RUNNING	397627.281082	7050
107447	CLOCK REQUEST @ PIPSDONE	T1=35450	SECONDS RUNNING	397627.282311	6945
076216	CLOCK REQUEST @ SERVICER	T1=35451	SECONDS RUNNING	397627.290943	6208
101437	CLOCK REQUEST @ [illegible]DGIMS	T1=35534	SECONDS RUNNING	397627.802472	2558
072410	CLOCK REQUEST @ LUNLAND	T1=35551	SECONDS RUNNING	397627.930851	1603

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DISPLAYS =    [illegible] 06  [illegible] FLASH   +00915  -05X42  +99999                                          397628.000007

    073437    CLOCK REQUEST @ DISPEXIT                                  T1=35655      SECONDS RUNNING     397628.612760      3413

                                   UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME        V      A    LATVEL     LAT     YAW  BALL-P   CDUX   RATE  ATT-X  DRPX  DGX  THRUST  RCS   APOLU
  (TABLE MEMBER COORDS) FERVEL     LONG   PITCH  BALL-P   CDUY   RATE  ATT-Y  DRPY  DGY  DELTAV  DPS   PERILU
  LANDING     METRIC UNITS  ALTRATE    ALT    ROLL  BALL-Y   CDUZ   RATE  ATT-Z  DRPZ  DGZ    MASS  APS
397627.2  [illegible]  77.2  [illegible]   17.0 -  4.33   0.33   0.18   0.35 - 0.00 - 0.00   107 -  1   9907  584.8    6.82
110:27:[illegible] -   495 -  0.0  [illegible] 3548.7  341.80  166.51  81.85  81.85 - 0.20   0.10 -  4 -  3   2036  11760 -690.62
  LANDING - 162660  1074.6 - 3.4 -   75.3   39112   0.18  359.66   0.18 - 0.03 - 0.10 - 695    6  27538   5187

    107437    CLOCK REQUEST @ REALACCS                                  T1=35760      SECONDS RUNNING     397629.281082      6383

    107447    CLOCK REQUEST @ RIPSDONE                                  T1=35760      SECONDS RUNNING     397629.282311      6278

    076200    CLOCK REQUEST @ SERVICER                                  T1=35761      SECONDS RUNNING     397629.290721      5560

    [illegible]    CLOCK REQUEST @ [illegible]                                  T1=36044      SECONDS RUNNING     397629.801052      2012

    072410    CLOCK REQUEST @ LUNLAND                                   T1=36045      SECONDS RUNNING     397629.815710      0761

DISPLAYS =    63  06  6[illegible] FLASH   +00903  -05X40  +99999                                          397630.000027

    073437    CLOCK REQUEST @ DISPEXIT                                  T1=36164      SECONDS RUNNING     397630.606314      3296

397631.2  174[illegible]  75.2  [illegible]   17.3 -  4.31   0.34   0.17   0.36 - 0.00 - 0.00   111 -  1   5908  584.8    6.80
110:27:11 -   494 -  0.0  0.0  3526.3  341.73  166.30  81.57  81.57 - 0.05 - 0.00 -  3 -  4   2059  11695 -694.55
  LANDING - 16651[illegible] 1067.9 - 3.4 -   75.9   38989   0.17  359.63   0.17 - 0.09 - 0.10 - 696    6  27472   5187

    107437    CLOCK REQUEST @ REALACCS                                  T1=36270      SECONDS RUNNING     397631.281082      5716

    107447    CLOCK REQUEST @ RIPSDONE                                  T1=36270      SECONDS RUNNING     397631.282311      5611

    076200    CLOCK REQUEST @ SERVICER                                  T1=36271      SECONDS RUNNING     397631.290771      4889

    [illegible]    CLOCK REQUEST @ [illegible]                                  T1=36353      SECONDS RUNNING     397631.792121      2108

    072410    CLOCK REQUEST @ LUNLAND                                   T1=36355      SECONDS RUNNING     397631.810422      0546

DISPLAYS =    63  06  68  FLASH   +00991  -05X40  +99999                                                      397632.000004

    073437    CLOCK REQUEST @ DISPEXIT                                  T1=36475      SECONDS RUNNING     397632.611245      2209

DISPLAYS =    63  06  68  FLASH   +00891  -05X37  +99999                                                      397633.000000

SNAPSHOT    397633          SECONDS RUNNING     397633.000036
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (TABLE NUMBER CLOCKS)	LATVEL / FLRVEL	LAT / LONG	YAW / PITCH	BALL-R / BALL-P	CDUX / CDUY	PRATE / QRATE	ATT-X / ATT-Y	DPPX / DPPY	DGX / DGY	THRUST / DELTAV	RCS / DPS	APOLU / PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397633.2	1740978	73.1	0.54	17.8 -	4.29	0.35	0.19	0.36	0.00 -	0.00	112	0	9908	584.8	6.77
110:27:13 -	494 -	.0 -	.0 -	350.8	341.67	166.27	81.47	81.47 -	0.08	0.10 -	3 -	3	2082	11630	-698.42
LANDING -	158387	1061.2 -	3.5 -	76.5	38864	0.20	359.63	0.19 -	0.00 -	0.10 -	697	6	27407	5187	

107437	CLOCK REQUEST @ READACCS	T1=36600	SECONDS RUNNING	397633.281082	5049
107447	CLOCK REQUEST @ PIPSDONE	T1=36600	SECONDS RUNNING	397633.282311	4945
07620	CLOCK REQUEST @ SERVICER	T1=36601	SECONDS RUNNING	397633.290722	4227
101632	CLOCK REQUEST @ RDGIMS	T1=36664	SECONDS RUNNING	397633.801908	0606
072410	CLOCK REQUEST @ LUNLAND	T1=36665	SECONDS RUNNING	397633.816543	9357
073437	CLOCK REQUEST @ DISPEXIT	T1=37005	SECONDS RUNNING	397634.611133	1552

DISPLAYS = 53 06 68 FLASH +00880 -05X35 +99999 397635.000008

397 5.	1741122	71.0	0.54	18.2 -	4.28	0.36	0.19	0.37	0.00 -	0.00	115 -	1	9909	584.8	6.75
110:27:15 -	498 -	.0 -	.0 -	348.3	341.60	166.30	81.43	81.43	0.03	0.10 -	3 -	4	2105	11564	-702.26
LANDING -	158274	1054.5 -	3.5 -	77.2	38738	0.20	359.62	0.19 -	0.02 -	0.00 -	700	7	27341	5187	

107437	CLOCK REQUEST @ READACCS	T1=37110	SECONDS RUNNING	397635.281082	4383
107447	CLOCK REQUEST @ PIPSDONE	T1=37110	SECONDS RUNNING	397635.282311	4278
07620	CLOCK REQUEST @ SERVICER	T1=37111	SECONDS RUNNING	397635.290771	3556
101632	CLOCK REQUEST @ RDGIMS	T1=37174	SECONDS RUNNING	397635.802169	9917
072410	CLOCK REQUEST @ LUNLAND	T1=37175	SECONDS RUNNING	397635.812320	9050
073437	CLOCK REQUEST @ DISPEXIT	T1=37314	SECONDS RUNNING	397636.607495	1196

DISPLAYS = 63 06 68 FLASH +00868 -05X31 +99999 397637.000000

397637.2	1741262	68.5	0.55	18.6 -	4.26	0.37	0.22	0.38	0.00 -	0.00	115 -	1	9910	584.8	6.72
110:27:17 -	497 -	.0 -	.0 -	348.8	341.53	166.23	81.28	81.28 -	0.12	0.21 -	3 -	3	2128	11499	-706.06
LANDING -	154168	1047.7 -	3.51 -	77.9	38611	0.22	359.61	0.21	0.08 -	0.00 -	700	6	27276	5187	

107437	CLOCK REQUEST @ READACCS	T1=37420	SECONDS RUNNING	397637.281082	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=37420	SECONDS RUNNING	397637.282311	3611
07620	CLOCK REQUEST @ SERVICER	T1=37421	SECONDS RUNNING	397637.290723	2893

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101632    CLOCK REQUEST @ RUGIMS                          T1=37503    SECONDS RUNNING    397637.791253    0182
07241     CLOCK REQUEST @ LUNLAND                         T1=37504    SECONDS RUNNING    397637.808669    8695
DISPLAYS =   63   06   68  FLASH   +00868  -05X21  +99999                                                397638.000020
073437    CLOCK REQUEST @ DISPEXIT                        T1=37624    SECONDS RUNNING    397638.609314    0374
DISPLAYS =   63   06   68  FLASH   +00857  -05X28  +99999                                                397639.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEC

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   TIME        S        V        A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
 (STABLE MEMBER COORDS)  FERVEL   LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING        METRIC UNITS     ALTRATE  ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397639.2  174139.  66.2   0.57    19.2 -  4.24    0.38    0.28    0.39   0.00 - 0.00   117    0   9911  584.8    6.70
110:27:19 -   496    0.0   0.01  3436.2  341.46  166.17   81.16   81.15 - 0.10   0.21 -   2 -  4   2150 11433 -709.82
 LANDING - 152082  1041.0 - 3.52 -  78.6   38482   0.28  359.60    0.28   0.11 - 0.00 - 702    6  27211   5187

107437    CLOCK REQUEST @ READACCS                        T1=37730    SECONDS RUNNING    397639.281082    3049
107447    CLOCK REQUEST @ PIPSDONE                        T1=37730    SECONDS RUNNING    397639.282313    2944
076206    CLOCK REQUEST @ SERVICER                        T1=37731    SECONDS RUNNING    397639.290778    2222
101632    CLOCK REQUEST @ RUGIMS                          T1=00014    SECONDS RUNNING    397639.802475    8557
07241C    CLOCK REQUEST @ LUNLAND                         T1=00015    SECONDS RUNNING    397639.818542    7186
073437    CLOCK REQUEST @ DISPEXIT                        T1=00135    SECONDS RUNNING    397640.615813    9152
DISPLAYS =   63   06   68  FLASH   +00845  -05X26  +99999                                                397641.000010

397641.2  174152.  64.8   0.59    19.8 -  4.22    0.39    0.37    0.40   0.00 - 0.00   120 -  1   9911  584.8    6.67
110:27:21 -   495    0.0   0.02  3413.5  341.40  165.97   80.89   80.85 - 0.15   0.21 -   1 -  4   2173 11368 -713.53
 LANLING - 152009  1034.2 - 3.5  -  79.3   38351   0.38  359.59    0.37   0.12 - 0.00 - 702    6  27145   5187

107437    CLOCK REQUEST @ READACCS                        T1=00240    SECONDS RUNNING    397641.281082    2383
107447    CLOCK REQUEST @ PIPSDONE                        T1=00240    SECONDS RUNNING    397641.282311    2278
076206    CLOCK REQUEST @ SERVICER                        T1=00241    SECONDS RUNNING    397641.290723    1560
101632    CLOCK REQUEST @ RUGIMS                          T1=00324    SECONDS RUNNING    397641.801046    8013
07241C    CLOCK REQUEST @ LUNLAND                         T1=00325    SECONDS RUNNING    397641.814854    6834
073437    CLOCK REQUEST @ DISPEXIT                        T1=00445    SECONDS RUNNING    397642.612724    8749
DISPLAYS =   63   06   68  FLASH   +00834  -05X24  +99999                                                397643.000000
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3[illegible]7443.[illegible]	1741657	62.[illegible]	[illegible]	20.5 -	4.21	0.40	0.51	0.41	0.00 -	0.00	123 -	1	9912	584.8	6.65			
110:27:2[illegible] -	493	[illegible]	[illegible]	3390.8	341.33	165.94	80.79	80.79	0.02	0.21	0 -	3	2197	11302	-717.21			
LANDING - 147[illegible]44	1[illegible]27.4 -	[illegible] -		80.0	38219	0.52	359.57	0.51	0.06	0.10 -	706	6	27080	5187				

107437	CLOCK REQUEST @ READACCS	T1=00550	SECONDS RUNNING	397643.281082	1716
107447	CLOCK REQUEST @ PIPSDONE	T1=00550	SECONDS RUNNING	397643.282311	1611
76206	CLOCK REQUEST @ SERVICER	T1=00551	SECONDS RUNNING	397643.290772	0889
101632	CLOCK REQUEST @ BDGIMS	T1=00633	SECONDS RUNNING	397643.792523	8073
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=00635	SECONDS RUNNING	397643.810839	6510
07243[illegible]	CLOCK REQUEST @ DISPEXIT	T1=00755	SECONDS RUNNING	397644.612416	8109

DISPLAYS = 63 06 [illegible] FLASH +00823 -05X21 +99999 397645.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	P (STABLE MEMBER COORDS) METRIC UNITS	V	[illegible]	LATVEL PORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	OGX OGY OGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397645.[illegible]	1741781	60.8	0.60	21.0 -	4.19	0.41	0.47	0.42 -	0.00 -	0.00	124	0	9913	584.8	6.62
110:27:2[illegible] -	497	0.1	0.02	3368.1	341.27	165.82	80.60	80.60 -	0.15 -	0.21	1 -	4	2220	11237	-720.84
LANDING - 145[illegible]	1020.6 -	3.[illegible] -		80.7	38085	0.48	359.57	0.47 -	0.10	0.21 -	705	7	27014	5187	

107437	CLOCK REQUEST @ READACCS	T1=01060	SECONDS RUNNING	397645.281082	1049
107447	CLOCK REQUEST @ PIPSDONE	T1=01060	SECONDS RUNNING	397645.282312	0945
076[illegible]	CLOCK REQUEST @ SERVICER	T1=01061	SECONDS RUNNING	397645.290723	0227
101[illegible]	CLOCK REQUEST @ BDGIMS	T1=01144	SECONDS RUNNING	397645.801972	6600
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=01145	SECONDS RUNNING	397645.817531	5272
07243[illegible]	CLOCK REQUEST @ DISPEXIT	T1=01265	SECONDS RUNNING	397646.613488	7351

DISPLAYS = 63 06 69 FLASH +00E12 -05X19 +99999 397647.000008

397647.2	1741901	59.8	0.62	21.1 -	4.17	0.41	0.28	0.42 -	0.00 -	0.00	128 -	1	9914	584.8	6.60
110:27:27 -	495	0.1	0.01	3345.3	341.20	165.71	80.43	80.43 -	0.06	0.21 -	1 -	3	2243	11172	-724.44
LANDING - 145[illegible]	1013.7 -	3.[illegible] -		81.3	37950	0.29	359.56	0.28 -	0.17	0.10 -	708	6	26949	5187	

1074[illegible]7	CLOCK REQUEST @ READACCS	T1=01370	SECONDS RUNNING	397647.281082	0383
107447	CLOCK REQUEST @ PIPSDONE	T1=01370	SECONDS RUNNING	397647.282312	0278
076206	CLOCK REQUEST @ SERVICER	T1=01371	SECONDS RUNNING	397647.290773	9556

101632	CLCCK REQUEST @ RDGIMS	T1=01454	SECONDS RUNNING	397647.804053	5756
072410	CLCCK REQUEST @ LUNLANC	T1=01455	SECONDS RUNNING	397647.814211	4889
073437	CLCCK REQUEST @ CISPEXIT	T1=01574	SECONDS RUNNING	397648.609614	7015

DISPLAYS = 63 06 68 FLASH +00801 -05X17 +99999 397649.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	P (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	CPPX CPPY CPPZ	OGX OGY OGZ	THRUST CELTAV MASS	RCS DPS APS	APOLU PERILU
397649.2	1742016	56.8	0.63	21.3 -	4.15	0.42	0.22	0.42 -	0.00 -	0.00	129 -	1	9914	584.8	6.57
110:27:29 -	493	0.1	0.00	3322.4	341.14	165.55	80.21	80.21 -	0.04	0.10 -	2 -	4	2266	11106	-727.99
LANDING -	141841	10026.9	- 3.56 -	82.0	37813	0.24	359.56	0.21 -	0.06 -	0.00 -	709	6	26883	5187	

107437	CLCCK REQUEST @ REALACCS	T1=01700	SECONDS RUNNING	397649.281082	9716
107447	CLCCK REQUEST @ PIPSDONE	T1=01700	SECONDS RUNNING	397649.282312	9611
076200	CLCCK REQUEST @ SERVICER	T1=01701	SECONDS RUNNING	397649.290724	8893
101632	CLCCK REQUEST @ RDGIMS	T1=01763	SECONDS RUNNING	397649.791364	6172
072410	CLCCK REQUEST @ LUNLANC	T1=01764	SECONDS RUNNING	397649.809681	4609
073437	CLCCK REQUEST @ CISPEXIT	T1=02105	SECONDS RUNNING	397650.616291	6290

DISPLAYS = 63 06 68 FLASH +00779 -05X14 +99999 397651.000000

397651.2	1742128	54.9	0.63	21.7 -	4.14	0.43	0.20	0.43	0.00 -	0.00	132	0	9915	584.8	6.55
110:27:31 -	492	0.2	0.00	3299.5	341.07	165.66	80.24	80.24	0.02	0.32 -	3 -	4	2289	11041	-731.51
LANDING -	139836	10020.0	- 3.56 -	82.7	37675	0.22	359.55	0.20 -	0.07 -	0.00 -	711	6	26818	5187	

107437	CLCCK REQUEST @ REALACCS	T1=02210	SECONDS RUNNING	397651.281082	9049
107447	CLCCK REQUEST @ PIPSDONE	T1=02210	SECONDS RUNNING	397651.282312	8545
076200	CLCCK REQUEST @ SERVICER	T1=02211	SECONDS RUNNING	397651.290773	8222
101632	CLCCK REQUEST @ RDGIMS	T1=02274	SECONDS RUNNING	397651.802606	4546
072410	CLCCK REQUEST @ LUNLANC	T1=02275	SECONDS RUNNING	397651.817256	3296
073437	CLCCK REQUEST @ CISPEXIT	T1=02415	SECONDS RUNNING	397652.612112	5468

DISPLAYS = 63 06 68 FLASH +00768 -05X12 +99999 397653.000009

397653.2	1742236	53.0	0.64	21.9 -	4.12	0.43	0.18	0.45	0.00 -	0.00	133 -	1	9916	584.8	6.52
110:27:33 -	490	0.2	0.00	3276.6	341.01	165.50	80.02	80.02 -	0.24	0.32 -	2 -	3	2313	10975	-734.98

LANDING - 137859 993.1 - 4.57 - 83.5 37535 0.20 359.54 0.18 - 0.01 - 0.00 - 712 6 26752 5187

107437	CLOCK REQUEST @ READACCS	T1=02520	SECONDS RUNNING	397653.281082	8383
107447	CLOCK REQUEST @ PIPSDONE	T1=02520	SECONDS RUNNING	397653.282312	8278
076206	CLOCK REQUEST @ SERVICER	T1=02521	SECONDS RUNNING	397653.290724	7560
101632	CLOCK REQUEST @ RCGIMS	T1=02604	SECONDS RUNNING	397653.803785	3779
072410	CLOCK REQUEST @ LUNLAND	T1=02605	SECONDS RUNNING	397653.813949	2911
073427	CLOCK REQUEST @ DISPEXIT	T1=02724	SECONDS RUNNING	397654.609883	4992

DISPLAYS = 63 06 68 FLASH +00757 -05X10 +99999 397655.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V		LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THPLST DELTAV MASS	RCS DPS APS	APDLU PERILU
397655.2	1742340	51.1	0.67	22.2	- 4.10	0.44	0.14	0.45	0.01	- 0.00	137	- 1	9917	584.8	6.50
110:27:35 -	493	0.2	- 0.00	3253.6	340.95	165.20	79.66	79.66	- 0.09	- 0.00	- 4	- 4	2336	10910	-738.42

LANDING - 138862 986.2 - 3.58 - 84.1 37393 0.16 359.54 0.14 0.12 - 0.00 - 713 7 26687 5187

107437	CLOCK REQUEST @ READACCS	T1=03030	SECONDS RUNNING	397655.281082	7716
107447	CLOCK REQUEST @ PIPSDONE	T1=03030	SECONDS RUNNING	397655.282312	7611
076206	CLOCK REQUEST @ SERVICER	T1=03031	SECONDS RUNNING	397655.290774	6889
101632	CLOCK REQUEST @ RCGIMS	T1=03113	SECONDS RUNNING	397655.791393	4170
072410	CLOCK REQUEST @ LUNLAND	T1=03114	SECONDS RUNNING	397655.808812	2683
073427	CLOCK REQUEST @ DISPEXIT	T1=03234	SECONDS RUNNING	397656.605954	4660

DISPLAYS = 63 06 68 FLASH +00746 -05X07 +99999 397657.000000

397657.2	1742441	49.3	0.68	22.7	- 4.09	0.45	0.21	0.46	0.01	- 0.00	140	0	9917	584.8	6.47
110:27:37 -	491	0.2	0.01	3230.6	340.88	165.24	79.63	79.62	- 0.00	0.10	- 3	- 3	2359	10844	-741.83

LANDING - 133893 979.3 - 3.58 - 84.8 37250 0.23 359.53 0.20 0.15 - 0.00 - 715 6 26622 5187

107437	CLOCK REQUEST @ READACCS	T1=03340	SECONDS RUNNING	397657.281082	7049
107447	CLOCK REQUEST @ PIPSDONE	T1=03340	SECONDS RUNNING	397657.282312	6945
076206	CLOCK REQUEST @ SERVICER	T1=03341	SECONDS RUNNING	397657.290725	6227
101632	CLOCK REQUEST @ RCGIMS	T1=03424	SECONDS RUNNING	397657.801949	2602

072410	CLCCK REQUEST 1 LUNLAND	T1=03425	SECONDS RUNNING	397657.815510	1445
073437	CLCCK REQUEST 4 LISPEXIT	T1=03544	SECONDS RUNNING	397658.609079	3727

DISPLAYS = 63 06 68 FLASH +00736 -05X05 +99999 397659.000009

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	OPPX	OGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			FCRVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	COUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	OPPY OPPZ	DGY DGZ	DELTAV MASS	OPS APS	PERILU
397659.2	1742538	47.4	0.59	23.2 -	4.07	0.46	0.29	0.47	0.00 -	0.00	141 -	1	9918	584.8	6.44
110:27:39 -	480	0.2	0.02	3207.5	340.82	165.11	79.44	79.44 -	0.08 -	0.00 -	2 -	4	2383	10779	-745.19
LANDING -	131943	972.4 -	3.50 -	85.5	37105	0.30	359.52	0.2E	0.06 -	0.00 -	716	6	26556	5187	

107437	CLCCK REQUEST 3 READACCS	T1=03650	SECONDS RUNNING	397659.281082	6383
107447	CLCCK REQUEST 3 PIPSDONE	T1=03650	SECONDS RUNNING	397659.282312	6278
076206	CLCCK REQUEST 3 SERVICER	T1=03651	SECONDS RUNNING	397659.290774	5556
101632	CLCCK REQUEST 3 RDGIMS	T1=03734	SECONDS RUNNING	397659.801067	2011
072410	CLCCK REQUEST 2 LUNLAND	T1=03735	SECONDS RUNNING	397659.814640	0852
073437	CLCCK REQUEST 3 LISPEXIT	T1=04054	SECONDS RUNNING	397660.609539	3021

DISPLAYS = 63 06 68 FLASH +00725 -05X02 +99999 397661.000000

397661.2	1742631	45.6	0.69	23.6 -	4.06	0.47	0.32	0.4E	0.00 -	0.00	143 -	1	9919	584.8	6.42
110:27:41 -	492	0.3	0.02	3184.4	340.76	165.17	79.43	79.44	0.05	0.10 -	2 -	4	2406	10713	-748.52
LANDING -	130007	965.4 -	3.60 -	86.2	36959	0.35	359.51	0.32 -	0.00	0.10 -	718	7	26491	5187	

107437	CLCCK REQUEST 4 READACCS	T1=04160	SECONDS RUNNING	397661.281082	5716
107447	CLCCK REQUEST 3 PIPSDONE	T1=04160	SECONDS RUNNING	397661.282312	5611
076206	CLCCK REQUEST 3 SERVICER	T1=04161	SECONDS RUNNING	397661.290725	4893
101632	CLCCK REQUEST 4 RDGIMS	T1=04244	SECONDS RUNNING	397661.801047	1346
072410	CLCCK REQUEST 3 LUNLAND	T1=04245	SECONDS RUNNING	397661.814396	0207
073437	CLCCK REQUEST 4 LISPEXIT	T1=04365	SECONDS RUNNING	397662.611797	2162

DISPLAYS = 63 06 68 FLASH +00715 -05X00 +99999 397663.000000

397663.2	1742720	43.8	0.70	23.9 -	4.04	0.48	0.29	0.45 -	0.00 -	0.00	144 -	1	9920	584.8	6.39
110:27:43 -	490	0.3	0.01	3161.2	340.70	165.08	79.28	79.28 -	0.12	0.10 -	1 -	3	2430	10648	-751.81
LANDING -	128079	958.4 -	3.61 -	86.9	36811	0.31	359.50	0.28 -	0.13	0.10 -	719	6	26425	5187	

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107437    CLOCK REQUEST @ READACCS                    T1=04470    SECONDS RUNNING    397663.281082    5049
107447    CLOCK REQUEST @ PIPSDONE                    T1=04470    SECONDS RUNNING    397663.282312    4945
076206    CLOCK REQUEST @ SERVICER                    T1=04471    SECONDS RUNNING    397663.290774    4222
101632    CLOCK REQUEST @ RUGIMS                      T1=04554    SECONDS RUNNING    397663.801252    0662
072410    CLOCK REQUEST @ LUNLAND                     T1=04555    SECONDS RUNNING    397663.815347    9459
073437    CLOCK REQUEST @ DISPEXIT                    T1=04675    SECONDS RUNNING    397664.610092    1641
DISPLAYS =    63    06    68  FLASH   +00704  -04X58  +99999                                    397665.000009

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R          V          A    LATVEL    LAT      YAW    BALL-R    CDUX    PRATE   ATT-X   DPPX   DGX   THRUST   RCS    APOLU
(STABLE MEMBER COORDS)  FORVEL    LONG    PITCH    BALL-P    CDUY    QRATE   ATT-Y   DPPY   DGY   DELTAV   DPS    PERILU
 LANDING      METRIC UNITS        ALTRATE   ALT     ROLL     BALL-Y    CDUZ    RRATE   ATT-Z   DPPZ   DGZ    MASS    APS
397665.2  1742806    4.0   0.71    24.2 -  4.02    0.49     0.31    0.50 - 0.00 - 0.00   147    0   9920   584.8    6.36
110:27:45 -   487    0.3   0.00  3138.0  340.64  164.97    79.11   79.11 - 0.07   0.10 -   2 -  4   2454  10582 -755.06
 LANDING - 124171  951.4 - 3.62 -  87.6   36683    0.33   359.49    0.30 - 0.06   0.10 - 721    6  26360   5187

107437    CLOCK REQUEST @ READACCS                    T1=05000    SECONDS RUNNING    397665.281082    4383
107447    CLOCK REQUEST @ PIPSDONE                    T1=05000    SECONDS RUNNING    397665.282312    4278
076206    CLOCK REQUEST @ SERVICER                    T1=05001    SECONDS RUNNING    397665.290726    3560
101632    CLOCK REQUEST @ RUGIMS                      T1=05064    SECONDS RUNNING    397665.803539    9800
072410    CLOCK REQUEST @ LUNLAND                     T1=05065    SECONDS RUNNING    397665.813705    8932
073437    CLOCK REQUEST @ DISPEXIT                    T1=05204    SECONDS RUNNING    397666.605809    1339
DISPLAYS =    63    06    68  FLASH   +00694  -04X55  +99999                                    397667.000000

397667.2  1742889    4.0   0.71    24.6 -  4.01    0.50     0.36    0.50    0.00 - 0.00   148 -  1   9921   584.8    6.34
110:27:47 -   485    0.4   0.00  3114.7  340.58  165.06    79.13   79.14    0.00   0.21 -   1 -  4   2477  10517 -758.29
 LANDING - 124276  944.4 - 3.62 -  88.4   36636    0.39   359.48    0.36 - 0.04   0.10 - 723    6  26294   5187

107437    CLOCK REQUEST @ READACCS                    T1=05310    SECONDS RUNNING    397667.281082    3716
107447    CLOCK REQUEST @ PIPSDONE                    T1=05310    SECONDS RUNNING    397667.282312    3611
076206    CLOCK REQUEST @ SERVICER                    T1=05311    SECONDS RUNNING    397667.290775    2889
101632    CLOCK REQUEST @ RUGIMS                      T1=05374    SECONDS RUNNING    397667.801043    9346
072410    CLOCK REQUEST @ LUNLAND                     T1=05375    SECONDS RUNNING    397667.815561    8107
073437    CLOCK REQUEST @ DISPEXIT                    T1=05515    SECONDS RUNNING    397668.612638    0090
```

DISPLAYS = 53 06 68 FLASH +CC684 -C4x53 +99999 397669.CCOOCO

UNLESS CTHEPWISE INCICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, OEG

TIME LANDING	T (STABLE MEMBER COORDS) METRIC UNITS	V ALTRATE	A	LATVEL FCRVEL	LAT LCNG ALT	YAW PITCH RCLL	BALL-R BALL-P BALL-Y	CDUX COUY CDUZ	PRATE GRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY DPPZ	DGX DGY OGZ	THRUST OELTAV MASS	RCS DPS APS	APOLU PERILU
397669.2	1742968	39.5	0.74	24.8 -	3.99	0.50	0.27	0.51	0.00 -	0.00	149 -	1	9922	584.8	6.31
110:27:49 -	487	0.4	0.00	3091.3	340.51	164.91	78.93	78.93 -	0.16	0.21 -	1 -	3	2501	10451	-761.47
LANDING -	122371	937.4	- 3.63 -	89.2	36587	0.30	359.48	0.27 -	0.00	0.10 -	724	7	26228	5187	

107437	CLCCK REQUEST @ READACCS	T1=05620	SECONDS RUNNING	397669.281082	3049
107447	CLCCK REQUEST @ PIPSOONE	T1=05620	SECONDS RUNNING	397669.282312	2944
076200	CLCCK REQUEST @ SERVICER	T1=05621	SECONDS RUNNING	397669.290726	2226
101602	CLCCK REQUEST @ RCGIMS	T1=05704	SECONDS RUNNING	397669.801343	8654
072410	CLCCK REQUEST @ LUNLANC	T1=05705	SECONDS RUNNING	397669.814903	7497
073437	CLOCK REQUEST @ DISPEXIT	T1=06024	SECONDS RUNNING	397670.607246	9883

DISPLAYS = 63 06 68 FLASH +00674 -04x51 +99999 397671.000009

397671.2	1743043	36.8	0.74	25.1 -	3.98	0.51	0.24	0.52	0.01 -	0.00	152	0	9923	584.8	6.28
110:27:51 -	485	0.4	0.00	3067.9	340.46	164.87	78.82	78.82	0.00	0.21 -	2 -	4	2525	10386	-764.62
LANDING -	120525	930.3	- 3.64 -	89.9	36535	0.27	359.47	0.24	0.16 -	0.00 -	726	6	26163	5187	

107437	CLCCK REQUEST @ REACACCS	T1=06130	SECONDS RUNNING	397671.281082	2383
107447	CLCCK REQUEST @ PIPSOONE	T1=06130	SECONDS RUNNING	397671.282312	2278
076200	CLCCK REQUEST @ SERVICER	T1=06131	SECONDS RUNNING	397671.290948	1541
101602	CLCCK REQUEST @ RCGIMS	T1=06214	SECONDS RUNNING	397671.803623	7793
072410	CLCCK REQUEST @ LUNLANO	T1=06215	SECONDS RUNNING	397671.813778	6926
073437	CLCCK REQUEST @ DISPEXIT	T1=06334	SECONDS RUNNING	397672.607649	9182

DISPLAYS = 63 06 68 FLASH +CC664 -C4x48 +99999 397673.CCOOCO

397673.2	1743115	35.1	0.75	25.7 -	3.96	0.53	0.39	0.53	0.01 -	0.00	154 -	1	9923	584.8	6.25
110:27:52 -	482	0.4	0.00	3044.5	340.40	164.75	78.64	78.64 -	0.11	0.21 -	1 -	4	2549	10320	-767.74
LANDING -	118672	923.2	- 3.65 -	90.7	36480	0.43	359.46	0.39	0.16	0.10 -	727	6	26097	5187	

107437	CLCCK REQUEST @ REACACCS	T1=06440	SECONDS RUNNING	397673.281083	1716
107447	CLCCK REQUEST @ PIPSOONE	T1=06440	SECONDS RUNNING	397673.282314	1611

076200	CLOCK REQUEST @ SERVICER	T1=06441	SECONDS RUNNING	397673.290733	0893
101632	CLOCK REQUEST @ REGIMS	T1=06524	SECONDS RUNNING	397673.801122	7339
072410	CLOCK REQUEST @ LUNLAND	T1=06525	SECONDS RUNNING	397673.815384	6122
073437	CLOCK REQUEST @ DISPEXIT	T1=06645	SECONDS RUNNING	397674.610062	8310

DISPLAYS = 63 06 68 FLASH +00654 -04X46 +99999 397675.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	COUY	CRATE	ATT-Y	DPPY	DGY	OFLTAV	OPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397675.2	1743183	33.4	0.76	26.2	- 3.94	0.54	0.46	0.54	0.00	- 0.00	157	- 1	9924	584.8	6.22
110:27:55	- 484	0.5	0.03	3021.0	340.34	164.65	78.48	78.48	- 0.11	0.21	0	- 4	2573	10255	-770.82
LANDING	- 116834	916.1	- 3.65	- 91.5	36353	0.50	359.45	0.46	0.03	0.21	- 729	7	26032	5187	

107437	CLOCK REQUEST @ REACACCS	T1=06750	SECONDS RUNNING	397675.281082	1049
107447	CLOCK REQUEST @ PIPSDONE	T1=06750	SECONDS RUNNING	397675.282312	0944
076200	CLOCK REQUEST @ SERVICER	T1=06751	SECONDS RUNNING	397675.290948	0208
101632	CLOCK REQUEST @ REGIMS	T1=07034	SECONDS RUNNING	397675.801543	6637
072410	CLOCK REQUEST @ LUNLAND	T1=07035	SECONDS RUNNING	397675.815640	5434
073437	CLOCK REQUEST @ DISPEXIT	T1=07154	SECONDS RUNNING	397676.607271	7881

DISPLAYS = 63 06 68 FLASH +00644 -04X44 +99999 397677.000009

397677.2	1742249	31.7	0.77	26.5	- 3.93	0.55	0.41	0.54	- 0.00	- 0.00	158	0	9925	584.8	6.20
110:27:57	- 481	0.5	0.03	2997.4	340.28	164.65	78.43	78.43	0.00	0.21	0	- 3	2597	10189	-773.87
LANDING	- 115005	909.0	- 3.66	- 92.2	36136	0.45	359.44	0.41	- 0.12	0.32	- 730	6	25966	5187	

107437	CLOCK REQUEST @ REACACCS	T1=07260	SECONDS RUNNING	397677.281082	0383
107447	CLOCK REQUEST @ PIPSDONE	T1=07260	SECONDS RUNNING	397677.282312	0278
076200	CLOCK REQUEST @ SERVICER	T1=07261	SECONDS RUNNING	397677.290727	9560
101632	CLOCK REQUEST @ REGIMS	T1=07344	SECONDS RUNNING	397677.801165	6002
072410	CLOCK REQUEST @ LUNLAND	T1=07345	SECONDS RUNNING	397677.814967	4825
073437	CLOCK REQUEST @ DISPEXIT	T1=07464	SECONDS RUNNING	397678.608714	7091

DISPLAYS = 63 06 68 FLASH +00634 -04X42 +99999 397679.000000

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397679.0   174-311    30.1   0.79    26.5 -  3.91    0.55    0.27    0.56 - 0.00 - 0.00   161 -  1   9926  584.8    6.17
110:27:59 -    478     0.0   0.01  2973.8  340.22  164.47   76.18   78.18 - 0.14   0.10 -   1 -  4   2621  10123 -776.88
  LANDING - 113195   901.9 - 3.67 -  93.0   35821    0.31  359.46    0.27 - 0.20   0.21 - 731    6  25901   5187

  107437    CLOCK REQUEST @ READACCS                          T1=07570        SECONDS RUNNING     397679.281082        9716

  107447    CLOCK REQUEST @ PIPSDONE                          T1=07570        SECONDS RUNNING     397679.282312        9611

  076200    CLOCK REQUEST @ SERVICER                          T1=07571        SECONDS RUNNING     397679.290949        8874

  101632    CLOCK REQUEST @ RCGIMS                            T1=07654        SECONDS RUNNING     397679.801043        5346

  072410    CLOCK REQUEST @ LUNLAND                           T1=07655        SECONDS RUNNING     397679.814833        4169

  073427    CLOCK REQUEST @ DISPEXIT                          T1=07775        SECONDS RUNNING     397680.611694        6171

DISPLAYS =    63    06    68  FLASH   40624  -04X39  +99999                                                   397681.000000

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME      R        V        A    LATVEL    LAT     YAW   BALL-P   COUX   PRATE  ATT-X  OPPX  DGX  THRUST  RCS    APOLU
        (STABLE MEMBER COORDS)   FORVEL   LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  DGY  DELTAV  DPS    PERILU
  LANDING      METRIC UNITS      ALTRATE   ALT    ROLL   BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  DGZ   MASS   APS

397681.0  174336.9    28.5   0.79    26.5 -  3.90    0.55    0.19    0.56 - 0.00 - 0.00   163 -  1   9926  584.8    6.14
110:28:1 -    480     0.6 - 0.00  2950.1  340.16  164.45   76.11   78.11   0.03   0.10 -   2 -  4   2645  10058 -779.86
  LANDING - 111400   894.7 - 3.68 -  93.8   35438    0.23  359.43    0.18 - 0.12   0.10 - 734    7  25835   5187

  107437    CLOCK REQUEST @ READACCS                          T1=10100        SECONDS RUNNING     397681.281082        9049

  107447    CLOCK REQUEST @ PIPSDONE                          T1=10100        SECONDS RUNNING     397681.282312        8944

  076200    CLOCK REQUEST @ SERVICER                          T1=10101        SECONDS RUNNING     397681.290728        8226

  101632    CLOCK REQUEST @ RCGIMS                            T1=10164        SECONDS RUNNING     397681.801920        4605

  072410    CLOCK REQUEST @ LUNLAND                           T1=10165        SECONDS RUNNING     397681.812041        3741

  073427    CLOCK REQUEST @ DISPEXIT                          T1=10304        SECONDS RUNNING     397682.602247        6310

DISPLAYS =    63    06    68  FLASH   40614  -04X37  +99999                                                   397683.000011

SNAPSHOT    39768                 SECONDS RUNNING     397683.000011
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COORDS)	V		LATVEL FCRVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	DPPX CPPY	DGX DGY	THRUST DELTAV	RCS OPS	APOLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397682.6	1743425	26.9	0.80	26.7 -	3.88	0.56	0.15	0.57	0.00 -	0.00	165	0	9927	584.8	6.11
110:28: 5 -	477	0.6 -	0.00	2926.4	340.11	164.35	77.94	77.94 -	0.08	0.10 -	3 -	4	2669	9992	-782.80
LANDING -	109619	887.6 -	3.69 -	94.5	34697	0.20	359.43	0.15	0.02 -	0.00 -	734	6	25770	5187	

107437	CLOCK REQUEST @ REACACCS	T1=10410	SECONDS RUNNING	397683.281082	8383
107447	CLOCK REQUEST @ PIPSDONE	T1=10410	SECONDS RUNNING	397683.282312	8278
076206	CLOCK REQUEST @ SERVICER	T1=10411	SECONDS RUNNING	397683.290949	7541
101632	CLOCK REQUEST @ RDGIMS	T1=10474	SECONDS RUNNING	397683.802866	3857
072410	CLOCK REQUEST @ LUNLAND	T1=10475	SECONDS RUNNING	397683.813022	2991
073437	CLOCK REQUEST @ DISPEXIT	T1=10614	SECONDS RUNNING	397684.603926	5500

DISPLAYS = 63 06 68 FLASH +00605 -04X35 +99999 397685.000000

397685.2	1747477	25.[illegible]	0.81	27.0 -	3.87	0.57	0.21	0.58	0.01 -	0.00	167 -	1	9928	584.8	6.08
110: 8: 5 -	473	0.6 -	0.00	2902.7	340.05	164.39	77.93	77.92	0.00	0.10 -	3 -	3	2694	9927	-785.72
LANDING -	107847	880.4 -	3.69 -	95.3	33958	0.26	359.42	0.21	0.10	0.10 -	737	6	25704	5187	

107437	CLOCK REQUEST @ REACACCS	T1=10720	SECONDS RUNNING	397685.281082	7716
107447	CLOCK REQUEST @ PIPSDONE	T1=10720	SECONDS RUNNING	397685.282312	7611
076206	CLOCK REQUEST @ SERVICER	T1=10721	SECONDS RUNNING	397685.290728	6893

RANGE DATA GOOD BIT CHANGED TO 1 AT T = 397685.42

101632	CLOCK REQUEST @ RDGIMS	T1=11004	SECONDS RUNNING	397685.804165	3080
072410	CLOCK REQUEST @ LUNLAND	T1=11005	SECONDS RUNNING	397685.814321	2213
073437	CLOCK REQUEST @ DISPEXIT	T1=11125	SECONDS RUNNING	397686.616712	3742

DISPLAYS = 63 06 68 FLASH +00595 -04X32 +99999 397687.000000

397687.2	1743526	23.7	0.82	27.3 -	3.85	0.58	0.20	0.58	0.01 -	0.00	169 -	1	9929	584.8	6.05
110:28: 7 -	475	0.6	0.01	2878.8	339.99	164.24	77.72	77.71 -	0.19	0.10 -	3 -	2	2718	9861	-788.59
LANDING -	106094	873.2 -	3.70 -	96.1	34262	0.25	359.41	0.20	0.22 -	0.00 -	738	7	25638	5187	

107437	CLOCK REQUEST @ REACACCS	T1=11230	SECONDS RUNNING	397687.281083	7049
107447	CLOCK REQUEST @ PIPSDONE	T1=11230	SECONDS RUNNING	397687.282314	6944

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T                    MAPFLAG
3.976872+999  05   1.0000000000  00
    FOOT OF BEAM CROSSED MAP BOUNDARY- (1=TO MAP, 0= OFF )

076206   CLOCK REQUEST a SERVICER          T1=11231   SECONDS RUNNING   397687.290957   6207

101672   CLOCK REQUEST a RDCIMS            T1=11313   SECONDS RUNNING   397687.791083   3529

72410    CLOCK REQUEST a LUNLAND           T1=11315   SECONDS RUNNING   397687.811337   1801

073437   CLOCK REQUEST a DISPEXIT          T1=11434   SECONDS RUNNING   397688.605809   4006

DISPLAYS =   63 , 06   68  FLASH   +00586  -04X30  +99999                                397689.000009

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R          V          A     LATVEL    LAT      YAW   BALL-R   CDUX    PRATE   ATT-X   DPPX   DGX  THRUST  RCS   APDLU
(STABLE MEMBER COORDS)  FERVEL   LONG    PITCH   BALL-P   CDUY    CRATE   ATT-Y   DPPY   DGY  CELTAV  CPS
 LANDING      METRIC UNITS       ALTRATE   ALT     ROLL    BALL-Y   CDUZ    RRATE   ATT-Z   DPPZ   DGZ   MASS   APS    PERILU
3976890.  1743572   22.2   0.13   27.9 -  3.84   0.60   0.44   0.60   0.00 - 0.00   171    0   9929  584.8    6.02
110:28: 9 -   471    0.7   0.0 -  2855.0  339.94  164.22  77.64  77.64   0.02 - 0.00 -  1 -  4   2742   9795 -791.44
 LANDING - 104350   865.9 - 3.71 -  96.9   34204   0.49  359.39   0.43   0.13   0.21 - 740    6  25573   5187

107437   CLOCK REQUEST a REACACCS          T1=11540   SECONDS RUNNING   397689.281082   6383

107447   CLOCK REQUEST a RIPSDONE          T1=11540   SECONDS RUNNING   397689.282313   6278

076206   CLOCK REQUEST a SERVICER          T1=11541   SECONDS RUNNING   397689.290729   5560

101672   CLOCK REQUEST a RDCIMS            T1=11623   SECONDS RUNNING   397689.791053   2865

072410   CLOCK REQUEST a LUNLAND           T1=11624   SECONDS RUNNING   397689.809022   1332

073437   CLOCK REQUEST a DISPEXIT          T1=11744   SECONDS RUNNING   397690.609459   3028

DISPLAYS =   63   06   68  FLASH   +00576  -04X28  +99999                                397691.000000

3976910.  1743815   20.7   0.85   28.0 -  3.83   0.60   0.30   0.60 - 0.00 - 0.00   172 -  1   9930  584.8    5.99
110:28:10 -   473    0.7   0.02  2831.0  339.88  164.14  77.50  77.50 - 0.12   0.10    0 -  4   2767   9730 -794.26
 LANDING - 102632   858.7 - 3.72 -  97.7   33990   0.35  359.39   0.29 - 0.19   0.21 - 741    7  25507   5187

107437   CLOCK REQUEST a REACACCS          T1=12050   SECONDS RUNNING   397691.281082   5716

107447   CLOCK REQUEST a RIPSDONE          T1=12050   SECONDS RUNNING   397691.282313   5611

076206   CLOCK REQUEST a SERVICER          T1=12051   SECONDS RUNNING   397691.290950   4874

077127   CLOCK REQUEST a RCSUPLAT          T1=12111   SECONDS RUNNING   397691.617572   7002

072410   CLOCK REQUEST a LUNLAND           T1=12140   SECONDS RUNNING   397691.842806   7782

101672   CLOCK REQUEST a RDCIMS            T1=12141   SECONDS RUNNING   397691.851121   7073
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073437 CLCCK REQUEST @ CISPEXIT T1=12263 SECONDS RUNNING 397692.673149 6926

T = 397692.0954. ASTRONAUT SEES DESIRED DISPLAYS.
MCDE 63 VERB 6 NOUN 5. FLASH 1 CK FAIL 0 PGM ALM 0 REL DSPLY 0
UPLINK 0 R1 + 567 R2 - 4025 R3 - 1166

ASTRONAUT PERFORMS ACTION 6CCCE6C162 AT TIME 397692.9541

ASTRONAUT EXECUTES 'GO TO EGN# 292201'

DISPLAYS = 63 06 6C FLASH +00567 -04X25 -01166 397693.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FCRVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397693.2	1743655	13.1	0.85	27.9 -	3.81	0.60	0.15	0.60 -	0.00 -	0.00	175 -	1	9931	584.8	5.96
110:28:13 -	465	0.7	0.0	2887.0	339.83	164.20	77.51	77.50	0.09	0.10 -	3 -	3	2791	9666	-797.04
LANDING -	19919	851.4 -	0.73 -	9.5	33787	0.21	359.39	0.15 -	0.13	0.10 -	743	6	25441	5187	

107437 CLCCK REQUEST @ READACCS T1=12360 SECONDS RUNNING 397693.281082 5049

107447 CLCCK REQUEST @ RIPSDONE T1=12360 SECONDS RUNNING 397693.282313 4944

076200 CLCCK REQUEST @ SERVICER T1=12361 SECONDS RUNNING 397693.290729 4226

077127 CLCCK REQUEST @ POSUPDAT T1=12422 SECONDS RUNNING 397693.623356 5842

101632 CLCCK REQUEST @ RCCIMS T1=12452 SECONDS RUNNING 397693.861047 5559

072410 CLCCK REQUEST @ LUNLAND T1=12453 SECONDS RUNNING 397693.871785 4643

073437 CLCCK REQUEST @ CISPEXIT T1=12573 SECONDS RUNNING 397694.673795 6205

DISPLAYS = 63 06 6C FLASH +00558 -04X23 -00950 397695.000011

397695.2	1743692	17.3	0.85	27.9 -	3.80	0.61	0.12	0.61 -	0.00 -	0.00	175 -	1	9932	584.8	5.93
110:28:15 -	465	0.7 -	0.00	2783.0	339.77	154.15	77.41	77.40 -	0.10	0.10 -	3 -	4	2816	9559	-799.80
LANDING -	19223	864.1 -	3.74 -	9.3	33800	0.18	359.38	0.12 -	0.19 -	0.00 -	745	6	25376	5187	

107437 CLCCK REQUEST @ READACCS T1=12670 SECONDS RUNNING 397695.281082 4383

107447 CLCCK REQUEST @ RIPSDONE T1=12670 SECONDS RUNNING 397695.282313 4278

076200 CLCCK REQUEST @ SERVICER T1=12671 SECONDS RUNNING 397695.290951 3541

077127 CLCCK REQUEST @ POSUPDAT T1=12731 SECONDS RUNNING 397695.615325 5861

072410 CLCCK REQUEST @ LUNLAND T1=12757 SECONDS RUNNING 397695.826875 6955

101632	CLOCK REQUEST @ RDGIMS	T1=12761	SECONDS RUNNING	397695.851048	5746
073437	CLOCK REQUEST @ DISPEXIT	T1=13077	SECONDS RUNNING	397696.638523	8548

DISPLAYS = 63 06 68 FLASH +00548 -04X21 -00745 397697.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	A	LATVEL / FORVEL	LAT / LONG	YAW / PITCH	ROLL-R / ROLL-P	CDUX / CDUY	RATE / QRATE	ATT-X / ATT-Y	DPPX / DPPY	DGX / DGY	THRUST / DELTAV	RCS / DPS	APDLU / PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	ROLL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397697.06	1743726	16.2	0.54	28.1 -	3.78	0.62	0.13	0.61	0.00 -	0.00	176	0	9932	584.8	5.90
110:28:17 -	466	0.8	0.01	2756.8	339.72	164.17	77.37	77.27 -	0.02	0.21 -	4 -	4	2841	9533	-802.52
LANDING -	7543	836.8	2.74 -	100.2	33810	0.19	359.37	0.13	0.00 -	0.00 -	746	7	25310	5187	

107437	CLOCK REQUEST @ READACCS	T1=13200	SECONDS RUNNING	397697.281082	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=13200	SECONDS RUNNING	397697.282313	3611
076206	CLOCK REQUEST @ SERVICER	T1=13201	SECONDS RUNNING	397697.290730	2893
077127	CLOCK REQUEST @ POSUPDAT	T1=13241	SECONDS RUNNING	397697.618356	4935
072410	CLOCK REQUEST @ LUNLAND	T1=13270	SECONDS RUNNING	397697.843358	5735
101632	CLOCK REQUEST @ RDGIMS	T1=13271	SECONDS RUNNING	397697.851065	5078

A TENAUT PERFORMS ACTION 6CCC66C136 AT TIME 397697.9541

ASTRONAUT KEYSTROKE PROCEED

073437	CLOCK REQUEST @ DISPEXIT	T1=13420	SECONDS RUNNING	397698.722881	0683

DISPLAYS = 63 50 68 FLASH +00539 -04X19 -00535 397699.000000

397699.02	1743757	14.7	0.06	28.3 -	3.77	0.63	0.18	0.62	0.01 -	0.00	179 -	1	9933	584.8	5.87
110:28:19 -	462	0.8	0.01	2754.7	339.67	163.96	77.11	77.11 -	0.12	0.10 -	3 -	4	2865	9467	-805.21
LANDING -	6877	820.5	2.70 -	101.1	33816	0.24	359.36	0.17	0.13 -	0.00 -	748	6	25245	5187	

107437	CLOCK REQUEST @ READACCS	T1=13510	SECONDS RUNNING	397699.281082	3049
107447	CLOCK REQUEST @ PIPSDONE	T1=13510	SECONDS RUNNING	397699.282313	2944
076206	CLOCK REQUEST @ SERVICER	T1=13511	SECONDS RUNNING	397699.290779	2222
077127	CLOCK REQUEST @ POSUPDAT	T1=13552	SECONDS RUNNING	397699.624858	3714
077251	CLOCK REQUEST @ RUPLATEC	T1=13563	SECONDS RUNNING	397699.717140	5839
101632	CLOCK REQUEST @ RDGIMS	T1=13605	SECONDS RUNNING	397699.891632	0949

07241	CLOCK REQUEST @ LUNLAND	T1=13606	SECONDS RUNNING	397699.909959	9385
073437	CLOCK REQUEST @ LISPEXIT	T1=13730	SECONDS RUNNING	397700.725210	9817

DISPLAYS = 03 50 68 FLASH +00530 -04X16 -00408 397701.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
				FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397701.02	174[illegible]785	12.2	0.0	28.6	- 3.75	0.64	0.17	0.63	0.01	- 0.00	182	- 1	9024	584.8	5.84
110:28:21 -	463	0	0.0	2710.4	339.62	163.99	77.08	77.08	0.02	0.21	- 3	- 4	2890	9402	-807.87
LANDING -	4326	62.61	- 3.76	- 101.9	33778	0.23	359.35	0.17	0.24	- 0.00	- 750	7	25179	5187	

107437	CLOCK REQUEST @ REALACCS	T1=14020	SECONDS RUNNING	397701.281082	2383
107447	CLOCK REQUEST @ PIPSDONE	T1=14020	SECONDS RUNNING	397701.282313	2278
076206	CLOCK REQUEST @ SERVICER	T1=14021	SECONDS RUNNING	397701.290557	1574
077127	CLOCK REQUEST @ POSUPDAT	T1=14061	SECONDS RUNNING	397701.617455	3679
077251	CLOCK REQUEST @ RUPDATED	T1=14072	SECONDS RUNNING	397701.709136	5856
101632	CLOCK REQUEST @ RUGIMS	T1=14114	SECONDS RUNNING	397701.883072	1013
07241	CLOCK REQUEST @ LUNLAND	T1=14116	SECONDS RUNNING	397701.902594	9347
073437	CLOCK REQUEST @ LISPEXIT	T1=14237	SECONDS RUNNING	397702.716422	9900

DISPLAYS = 03 50 68 FLASH +00521 -04X14 -00288 397703.000000

397703.02	174[illegible]810	11.6	0.0	28.8	- 3.74	0.65	0.23	0.64	0.00	- 0.00	182	0	9035	584.8	5.81
110:28:23 -	459	0	0.0	2686.1	339.56	163.87	76.91	76.91	- 0.16	0.21	- 3	- 3	2915	9336	-810.50
LANDING -	4285	61.85	814.8	- 3.77	- 102.0	33644	0.29	359.24	0.23	0.03	- 0.00	- 752	6	25113	5187

107437	CLOCK REQUEST @ REALACCS	T1=14330	SECONDS RUNNING	397703.281082	1716
107447	CLOCK REQUEST @ PIPSDONE	T1=14330	SECONDS RUNNING	397703.282313	1611
076206	CLOCK REQUEST @ SERVICER	T1=14331	SECONDS RUNNING	397703.291862	0796
077127	CLOCK REQUEST @ POSUPDAT	T1=14372	SECONDS RUNNING	397703.622558	2577
077251	CLOCK REQUEST @ RUPDATED	T1=14403	SECONDS RUNNING	397703.717428	4481
101632	CLOCK REQUEST @ RUGIMS	T1=14425	SECONDS RUNNING	397703.892002	9584
07241	CLOCK REQUEST @ LUNLAND	T1=14426	SECONDS RUNNING	397703.909798	8066
073437	CLOCK REQUEST @ LISPEXIT	T1=14547	SECONDS RUNNING	397704.719016	9012

DISPLAYS = 3 50 [illegible] FLASH +00513 -04X12 -00210 397705.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE TEMBEL METRIC UNITS	A COCKUS)	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
397705.2	[illegible]832	10.4	0.9	29.0 -	3.73	0.66	0.26	0.65 -	0.00 -	0.00	186 -	1	9936	584.8	5.78
110:26:35 -	459	0.	0.0	661.8	339.51	163.87	76.86	0.04	0.21 -	2 -	4	2940	9270	-813.10
LANDING -	5963	8.04 -	3.78 -	103.6	33507	0.32	359.34	0.26 -	0.04	0.10 -	753	7	25048	5187

107437	CLOCK REQUEST @ READACCS	T1=14640	SECONDS RUNNING	397705.281082	1049
107447	CLOCK REQUEST @ PIPSCONE	T1=14640	SECONDS RUNNING	397705.282313	0944
076200	CLOCK REQUEST @ SERVICER	T1=14641	SECONDS RUNNING	397705.290558	0241
077127	CLOCK REQUEST @ RCSUPDAT	T1=14702	SECONDS RUNNING	397705.625580	1652
077251	CLOCK REQUEST @ RUPDATED	T1=14713	SECONDS RUNNING	397705.717955	3770
101632	CLOCK REQUEST @ RCGIMS	T1=14735	SECONDS RUNNING	397705.891502	8960
072410	CLOCK REQUEST @ LUMLAND	T1=14736	SECONDS RUNNING	397705.909830	7396
072437	CLOCK REQUEST @ DISPEXIT	T1=15060	SECONDS RUNNING	397706.723120	7996

DISPLAYS = 3 50 [illegible] FLASH +00504 -04X10 -00016 397707.000000

397707.2	[illegible]54	9.0	0.2	29.1 -	3.71	0.66	0.29	0.65 -	0.01 -	0.00	186 -	1	9936	584.8	5.74
110:26:27 -	455	0.9	0.1	2637.4	339.46	163.74	76.67	76.67 -	0.15	0.21 -	2 -	4	2965	9205	-815.67
LANDING -	89356	800.0 -	3.79 -	104.5	33245	0.36	359.33	0.25 -	0.23	0.10 -	755	6	24982	5187

107437	CLOCK REQUEST @ READACCS	T1=15150	SECONDS RUNNING	397707.281083	0383
107447	CLOCK REQUEST @ PIPSCONE	T1=15150	SECONDS RUNNING	397707.282314	0278
076200	CLOCK REQUEST @ SERVICER	T1=15151	SECONDS RUNNING	397707.290786	9555
077127	CLOCK REQUEST @ RCSUPDAT	T1=15211	SECONDS RUNNING	397707.619359	1517
077251	CLOCK REQUEST @ RUPDATED	T1=15223	SECONDS RUNNING	397707.711240	3676
101632	CLOCK REQUEST @ RCGIMS	T1=15245	SECONDS RUNNING	397707.891056	8332
072410	CLOCK REQUEST @ LUMLAND	T1=15246	SECONDS RUNNING	397707.904616	7175
072437	CLOCK REQUEST @ DISPEXIT	T1=15367	SECONDS RUNNING	397708.718244	7745

DISPLAYS = 3 50 6[illegible] FLASH +00495 -04X07 -00277 397709.000000

397[illegible]o2	[illegible]	7o7	[illegible]	29o0 -	3o70	0o67	0o19	0o67 -	0o00 -	0o00	190	0	9937	584o8	5o71
110[illegible]o29 -	[illegible]	[illegible] -	o	2612o9	339o41	169o61	76o49	76o49 -	0o04	0o10 -	2 -	4	2990	9134	-818o21
LANDING -	87764	782o0 -	3o7	- 1 5o3	33040	0o25	359o33	0o18 -	0o18	0o10 -	756	7	24916	5187	

107437	CLOCK REQUEST @ REALACCS	T1=15460	SECONDS RUNNING	397709o281082	9716
107447	CLOCK REQUEST @ PIPSDONE	T1=15460	SECONDS RUNNING	397709o282313	9611
076206	CLOCK REQUEST @ SERVICER	T1=15461	SECONDS RUNNING	397709o291937	8790
077127	CLOCK REQUEST @ FCSLPCAT	T1=15522	SECONDS RUNNING	397709o623811	0470
077251	CLOCK REQUEST @ RUPDATED	T1=15533	SECONDS RUNNING	397709o717397	2484
[illegible] 163.	CLOCK REQUEST @ RCDIMS	T1=15555	SECONDS RUNNING	397709o892478	7544
072410	CLOCK REQUEST @ LUNLAND	T1=15557	SECONDS RUNNING	397709o910570	6000
07343[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=15700	SECONDS RUNNING	397710o721756	6779

DISPLAYS = 3 5C 6P FLASH +00487 -04X05 -00401 397711o000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER METRIC UNITS	V COORDS)	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
397711o2	1743363	6o3	[illegible]	29o1 -	3o69	0o67	0o13	0o67	0o01 -	0o00	192 -	1	9938	584o8	5o68
110[illegible]8131 -	451	[illegible] -	0o1	2588o4	339o36	169o64	76o47	76o47	0o03	0o21 -	3 -	4	3015	9072	-820o72
LANDING -	86197	785o1 -	3o80 -	106o2	32674	0o20	359o32	0o13	0o10 -	0o00 -	758	6	24850	5187	

107437	CLOCK REQUEST @ REALACCS	T1=15770	SECONDS RUNNING	397711o281083	9049
107447	CLOCK REQUEST @ PIPSDONE	T1=15770	SECONDS RUNNING	397711o282313	8944
076206	CLOCK REQUEST @ SERVICER	T1=15771	SECONDS RUNNING	397711o290781	8222
077127	CLOCK REQUEST @ FCSLPCAT	T1=16032	SECONDS RUNNING	397711o625022	9700
077251	CLOCK REQUEST @ RUPDATED	T1=16043	SECONDS RUNNING	397711o717787	1784
101032	CLOCK REQUEST @ RCDIMS	T1=16065	SECONDS RUNNING	397711o891065	6998
072410	CLOCK REQUEST @ LUNLAND	T1=16066	SECONDS RUNNING	397711o909257	5445
073437	CLOCK REQUEST @ DISPEXIT	T1=16207	SECONDS RUNNING	397712o717867	6444

DISPLAYS = 63 5C 6P FLASH +00478 -04X03 -00616 397713o000000

ASTRONAUT PERFORMS ACTION 6000660126 AT TIME 397712o1041

/ TRENALT KEYSTROKE PROCEED

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	P (STABLE MEMBER COORDS) METRIC UNITS	V	Q	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	8ALL-R 8ALL-P 8ALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397713.02	1743894	5.[illegible]	0.95	29.5 -	3.67	[illegible].69	0.31	0.69	0.01 -	0.00	194 -	1	9938	584.8	5.65
110:28:35 -	452	0.9	[illegible].01	2563.9	339.31	163.52	76.29	76.30 -	0.19	0.21 -	2 -	4	3040	9008	-823.19
LANDING -	84625	777.7 -	3.[illegible]1 -	107.0	32229	0.39	359.30	0.31	0.28	0.10 -	759	7	24785	5187	

107437	CLOCK REQUEST @ REACACCS	T1=16300	SECONDS RUNNING	397713.281105	8381
107447	CLOCK REQUEST @ PIPSDONE	T1=16300	SECONDS RUNNING	397713.282336	8276
076[illegible]	CLOCK REQUEST @ SERVICER	T1=16301	SECONDS RUNNING	397713.293420	7330
077127	CLOCK REQUEST @ PCSUPDAT	T1=16344	SECONDS RUNNING	397713.640901	7678
077251	CLOCK REQUEST @ RUPDATED	T1=16356	SECONDS RUNNING	397713.744947	8800
7241[illegible]	CLOCK REQUEST @ LUNLANC	T1=16400	SECONDS RUNNING	397713.924007	3520
101[illegible]	CLOCK REQUEST @ DGIMS	T1=16404	SECONDS RUNNING	397713.961106	0354
DISPLAYS =	63 XX XX	XXXXX XXXXX XXXXX			397714.000002
0734[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=16520	SECONDS RUNNING	397714.723683	5281
DISPLAYS =	63 06 6[illegible]	+25517 -01067 +32672			397715.000000

397715.02	1743903	3.7	0.97	29.7 -	3.66	0.70	0.27	0.69	0.01 -	0.00	157 -	1	9939	584.8	5.61
110:28:35 -	447	0.9	[illegible].02	2535.2	339.26	163.33	76.05	76.05 -	0.13	0.21 -	1 -	4	3066	8942	-825.64
LANDING -	83377	770.2 -	[illegible].1 -	107.8	31740	0.35	359.30	0.27	0.12	0.10 -	762	6	24719	5187	

107437	CLOCK REQUEST @ REACACCS	T1=16610	SECONDS RUNNING	397715.281083	7716
107447	CLOCK REQUEST @ PIPSDONE	T1=16610	SECONDS RUNNING	397715.282313	7611
076[illegible]	CLOCK REQUEST @ SERVICER	T1=16611	SECONDS RUNNING	397715.291470	6830
077127	CLOCK REQUEST @ PCSUPDAT	T1=16651	SECONDS RUNNING	397715.616893	9060
077251	CLOCK REQUEST @ RUPDATED	T1=16663	SECONDS RUNNING	397715.712464	0905
101[illegible]	CLOCK REQUEST @ DGIMS	T1=16705	SECONDS RUNNING	397715.891944	5589
072410	CLOCK REQUEST @ LUNLANC	T1=16706	SECONDS RUNNING	397715.906079	4383
073417	CLOCK REQUEST @ DISPEXIT	T1=17011	SECONDS RUNNING	397716.578930	6966
DISPLAYS =	63 [illegible]	+25271 -01075 +32337			397717.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STAGE / EBF) / METRIC UNITS	V / (GOOD)	LATVEL / FLRVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-P / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / CRATE / PRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397717.0	17435.5	0.5	2.0	2.0 - 3.65	0.71	0.21	0.70 - 0.00	- 0.00	206		0	9940	584.8	5.58
110:28:7 -	447	1.0	0.01	2514.5	339.21	163.17	75.84	75.84 - 0.10	0.21 -	3 -	4	3091	8876	-828.06
LANDING -	8194	76.7 -	0.3 -	1006.5	31252	0.28	259.29	0.26 - 0.04	0.10 -	762	7	24653	5187	
10747	CLOCK REQUEST @ READACCS							T1=17120	SECONDS RUNNING			397717.281083		7049
10747	CLOCK REQUEST @ PIPSOCNF							T1=17120	SECONDS RUNNING			397717.282315		6944
7620	CLOCK REQUEST @ SERVICER							T1=17121	SECONDS RUNNING			397717.290394		6255
7717	CLOCK REQUEST @ POSUPDAT							T1=17162	SECONDS RUNNING			397717.622510		7914
0772 1	CLOCK REQUEST @ KUPDATEC							T1=17173	SECONDS RUNNING			397717.714438		0070
1016	CLOCK REQUEST @ RDGIMS							T1=17215	SECONDS RUNNING			397717.891065		4998
72410	CLOCK REQUEST @ LUNLAND							T1=17216	SECONDS RUNNING			397717.905927		3729
0754 7	CLOCK REQUEST @ DISPEXIT							T1=17322	SECONDS RUNNING			397718.584435		5830
DISPLAYS =	6	06	6	+25025	-01082	+32008								397719.000000
77172	74091	1.0	1.0	2.0 - 3.65	0.72	0.25	0.71 - 0.01	- 0.00	204 -	1		9941	584.8	5.55
110:28:7 -	447	1.0	0.01	2489.8	339.16	163.06	75.68	75.68 - 0.09	0.21 -	3 -	3	3116	8810	-830.44
LANDING -	8027	75.0 -	0.3 -	1006.2	31024	0.33	259.28	0.25 - 0.19	0.10 -	764	6	24588	5187	
10747	CLOCK REQUEST @ READACCS							T1=17430	SECONDS RUNNING			397719.281083		6383
10747	CLOCK REQUEST @ PIPSOCNF							T1=17430	SECONDS RUNNING			397719.282313		6278
7620	CLOCK REQUEST @ SERVICER							T1=17431	SECONDS RUNNING			397719.290388		5589
77172	CLOCK REQUEST @ POSUPDAT							T1=17472	SECONDS RUNNING			397719.621731		7314
07721	CLOCK REQUEST @ KUPDATEC							T1=17503	SECONDS RUNNING			397719.712668		9554
1016	CLOCK REQUEST @ RDGIMS							T1=17525	SECONDS RUNNING			397719.891055		4332
07241	CLOCK REQUEST @ LUNLAND							T1=17526	SECONDS RUNNING			397719.906083		3049
07 4 7	CLOCK REQUEST @ DISPEXIT							T1=17632	SECONDS RUNNING			397720.583937		5206
DISPLAYS =	2	06	6	+ 4778	-01089	+31720								397721.000000
397721.0	74391.	0.1	1.0	2.0 - 3.65	0.72	0.25	0.71 - 0.00	- 0.00	206 -	1		9941	584.8	5.51
110:28:41 -	447	1.0 -	0.0	2465.0	339.11	162.88	75.45	75.46	0.02	0.21 -	1 -	4	3142	8745	-832.80

LANDING - 78513 747.6 - [illegible].04 - 109.9 30921 0.33 359.28 0.25 - 0.23 0.21 - 765 7 24522 5187

107417	CLOCK REQUEST @ READACCS	T1=17740	SECONDS RUNNING	397721.281083	5716
107447	CLOCK REQUEST @ PIPSDONE	T1=17740	SECONDS RUNNING	397721.282315	5611
076206	CLOCK REQUEST @ SERVICER	T1=17741	SECONDS RUNNING	397721.291774	4804
077127	CLOCK REQUEST @ FCSUPDAT	T1=20001	SECONDS RUNNING	397721.615581	7172
077251	CLOCK REQUEST @ RUPDATED	T1=20013	SECONDS RUNNING	397721.710058	9110
101632	CLOCK REQUEST @ RECIMS	T1=20035	SECONDS RUNNING	397721.894340	3385
072410	CLOCK REQUEST @ LUNLAND	T1=20036	SECONDS RUNNING	397721.904507	2517
073437	CLOCK REQUEST @ DISPEXIT	T1=20141	SECONDS RUNNING	397722.577233	5111

DISPLAYS = 63 06 63 +24531 -01096 +31468 397723.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			FCRVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	DPS APS	PERILU
397723.2	174514 -	1.0	1.01	25.7 -	3.61	0.73	0.69	0.71	0.00 -	0.00	209	0	9942	584.8	5.48
110:28:45 -	437	1.0 -	0.01	2440.2	339.07	162.92	75.45	75.45 -	0.01	0.21 -	3 -	4	3167	8679	-835.13
LANDING -	77032	74.1 -	3.84 -	110.6	30910	0.18	359.27	0.09 -	0.07 -	0.00 -	767	6	24456	5187	

107417	CLOCK REQUEST @ READACCS	T1=20250	SECONDS RUNNING	397723.281083	5049
107447	CLOCK REQUEST @ PIPSDONE	T1=20250	SECONDS RUNNING	397723.282314	4944
076206	CLOCK REQUEST @ SERVICER	T1=20251	SECONDS RUNNING	397723.290389	4255
077127	CLOCK REQUEST @ FCSUPDAT	T1=20312	SECONDS RUNNING	397723.623777	5806
077251	CLOCK REQUEST @ RUPDATED	T1=20323	SECONDS RUNNING	397723.715834	7951
101632	CLOCK REQUEST @ RECIMS	T1=20345	SECONDS RUNNING	397723.891057	2998
072410	CLOCK REQUEST @ LUNLAND	T1=20346	SECONDS RUNNING	397723.908068	1547
073437	CLOCK REQUEST @ DISPEXIT	T1=20452	SECONDS RUNNING	397724.584417	3832

DISPLAYS = 63 06 63 +24283 -01102 +31258 397725.000000

397726.6	174391 -	2.2	2.6	25.9 -	3.60	0.74	0.11	0.72	0.02 -	0.00	211 -	1	9943	584.8	5.44
110:28:45 -	437	1.0 -	0.00	2415.3	339.02	162.72	75.20	75.20 -	0.16	0.10 -	4 -	4	3193	8613	-837.43
LANDING -	75558	72.6 -	2.56 -	111.2	30900	0.19	359.26	0.10	0.29 -	0.00 -	769	7	24390	5187	

107447	CLOCK REQUEST @ READACCS	T1=20560	SECONDS RUNNING	397725.281083	4383
107447	CLOCK REQUEST @ PIPSDONE	T1=20560	SECONDS RUNNING	397725.282314	4278
076200	CLOCK REQUEST @ SERVICER	T1=20561	SECONDS RUNNING	397725.290389	3589
771267	CLOCK REQUEST @ POSUPDAT	T1=20621	SECONDS RUNNING	397725.619349	5517
772561	CLOCK REQUEST @ RUPDATED	T1=20633	SECONDS RUNNING	397725.710426	7745
101662	CLOCK REQUEST @ KDGIMS	T1=20655	SECONDS RUNNING	397725.893056	2161
724160	CLOCK REQUEST @ LUNLAND	T1=20656	SECONDS RUNNING	397725.903229	1293
073437	CLOCK REQUEST @ DISPEXIT	T1=20761	SECONDS RUNNING	397726.578476	3672

DISPLAYS = 63 06 63 +24035 -01109 +31074 397727.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (TABLE MEMBER NUMBERS)	V	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
			FORVEL	LONG	PITCH	PALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397727.000	1743905 -	4.03	1.08	30.01 -	3.58	0.75	0.13	0.73	0.01 -	0.00	214 - 1	9944	584.8	5.41
11C:28:47 -	432	1.00	0.01	2391.3	338.97	162.75	75.18	75.17 -	0.02	0.10 -	3 - 4	3219	8547	-839.70
LANDING -	7416	724.9 -	2.08 -	111.8	31000	0.22	359.25	0.13	0.14 -	0.00 -	770 6	24325	5187	

107447	CLOCK REQUEST @ READACCS	T1=21070	SECONDS RUNNING	397727.281083	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=21070	SECONDS RUNNING	397727.282314	3611
076200	CLOCK REQUEST @ SERVICER	T1=21071	SECONDS RUNNING	397727.291472	2830
771267	CLOCK REQUEST @ POSUPDAT	T1=21131	SECONDS RUNNING	397727.618087	4958
772561	CLOCK REQUEST @ RUPDATED	T1=21143	SECONDS RUNNING	397727.713516	6815
101662	CLOCK REQUEST @ KDGIMS	T1=21165	SECONDS RUNNING	397727.891977	1586
724160	CLOCK REQUEST @ LUNLAND	T1=21166	SECONDS RUNNING	397727.905786	0408
073437	CLOCK REQUEST @ DISPEXIT	T1=21266	SECONDS RUNNING	397728.543856	5959

DISPLAYS = 63 06 63 +22786 -01115 +30514 397729.000000

397729.000	1743857 -	4.04	1.03	30.02 -	3.57	0.76	0.14	0.74	0.00 -	0.00	214 - 1	9944	584.8	5.37
11C:28:49 -	432	1.00	0.12	2365.2	328.93	162.84	75.22	75.22 -	0.00 -	0.00 -	5 - 4	3244	8482	-841.94
LANDING -	7266	717.3 -	3.1 -	112.5	30923	0.22	359.24	0.14	0.06 -	0.00 -	773 7	24289	5187	

107447	CLOCK REQUEST @ READACCS	T1=21400	SECONDS RUNNING	397729.281083	3049
107447	CLOCK REQUEST @ PIPSDONE	T1=21400	SECONDS RUNNING	397729.282314	2944

076[illegible]	CLOCK REQUEST @ SERVICER	T1=21401	SECONDS RUNNING	397729.290389	2255
0771[illegible]	CLOCK REQUEST @ PCSUPDAT	T1=21441	SECONDS RUNNING	397729.616627	4416
077251	CLOCK REQUEST @ UPDATED	T1=21452	SECONDS RUNNING	397729.709178	6519
101632	CLOCK REQUEST @ BEGINS	T1=21474	SECONDS RUNNING	397729.881050	1852
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=21475	SECONDS RUNNING	397729.899738	0257
073437	CLOCK REQUEST @ DISPEXIT	T1=21576	SECONDS RUNNING	397730.542019	5450

DISPLAYS = 53 06 03 +23536 -01122 +30744 397731.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COLY COUZ	PRATE QPATE RPATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397731.0[illegible]	1743887 - 5[illegible] 1[illegible]	20[illegible] - 3.56		0.77	0.16	0.75	- 0.01	- 0.00	213	0	9945	584.8	5.34
110:28:51 -	42 1[illegible] 1[illegible] 1	2240.2	3286.88	162.97	75.31	75.31	0.05	0.10 -	[illegible]	- 4	3270	9416	-844.16
LANDING -	71233	70[illegible].7 - 3.59	- 113.2	30838	0.25	359.23	0.16	- 0.19	- 0.00	- 775	6	24193	5187

107437	CLOCK REQUEST @ REDACCS	T1=21710	SECONDS RUNNING	397731.281083	2383
107447	CLOCK REQUEST @ RIPSDONE	T1=21710	SECONDS RUNNING	397731.282314	2278
076200	CLOCK REQUEST @ SERVICER	T1=21711	SECONDS RUNNING	397731.290389	1589
077127	CLOCK REQUEST @ PCSUPDAT	T1=21752	SECONDS RUNNING	397731.620833	3391
077251	CLOCK REQUEST @ UPDATED	T1=21763	SECONDS RUNNING	397731.711649	5641
101632	CLOCK REQUEST @ BEGINS	T1=22005	SECONDS RUNNING	397731.891067	0331
072410	CLOCK REQUEST @ LUNLAND	T1=22006	SECONDS RUNNING	397731.904877	9152
073437	CLOCK REQUEST @ DISPEXIT	T1=22111	SECONDS RUNNING	397732.579008	1626

DISPLAYS = 63 06 62 +23286 -01129 +30544 397733.000000

SNAPSHOT 197733 SECONDS RUNNING 397733.000036

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COORDS)	V	A	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COUX COUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS CPS	APDLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397733.62	1743875 -	5.67	1.04	30.3 -	3.55	0.78	0.18	0.76 -	0.01 -	0.00	214 -	1	9946	584.8	5.30
110:28:53 -	426	1.1 -	0.00	2215.0	338.84	163.01	75.31	75.31	0.06	0.10 -	3 -	4	3296	8350	-846.35
LANDING -	69821	7026.0 -	3.90 -	114.0	30457	0.23	359.22	0.18 -	0.28	0.10 -	777	7	24127	5187	
107437	CLOCK REQUEST 3	GTADACCS						T1=22220		SECONDS RUNNING			397733.281083		1716
107447	CLOCK REQUEST 4	PIPSCONF						T1=22220		SECONDS RUNNING			397733.282314		1611
076206	CLOCK REQUEST 5	SERVICER						T1=22221		SECONDS RUNNING			397733.290768		0804
077127	CLOCK REQUEST 3	FOSUPDAT						T1=22261		SECONDS RUNNING			397733.619884		2805
077251	CLOCK REQUEST 1	FUPDATED						T1=22273		SECONDS RUNNING			397733.714192		4757
101632	CLOCK REQUEST 2	RCGIMS						T1=22315		SECONDS RUNNING			397733.882495		9542
07241	CLOCK REQUEST 4	LUNLAND						T1=22316		SECONDS RUNNING			397733.907920		8226
073437	CLOCK REQUEST 2	DISPEXIT						T1=22421		SECONDS RUNNING			397734.577412		1096
DISPLAYS =	63	06	63	+23035	-01137	+30353									397735.000000

26

397735.62	1743865 -	7.08	1.04	30.3 -	3.54	0.78	0.11	0.76	0.00 -	0.00	214 -	1	9947	584.8	5.27
110:28:55 -	426	1.1 -	0.01	2289.7	338.79	163.04	75.29	75.28	0.07	0.10 -	3 -	4	3322	8284	-848.52
LANDING -	69425	6943.3 -	3.90 -	114.9	30260	0.21	359.22	0.12 -	0.08 -	0.00 -	779	7	24061	5187	
107437	CLOCK REQUEST 3	GTADACCS						T1=22530		SECONDS RUNNING			397735.281083		1049
107447	CLOCK REQUEST 4	PIPSCONF						T1=22530		SECONDS RUNNING			397735.282314		0944
076206	CLOCK REQUEST 5	SERVICER						T1=22531		SECONDS RUNNING			397735.290389		0255
077127	CLOCK REQUEST 3	FOSUPDAT						T1=22571		SECONDS RUNNING			397735.616511		2426
077251	CLOCK REQUEST 1	FUPDATED						T1=22602		SECONDS RUNNING			397735.708933		4540
101632	CLOCK REQUEST 2	RCGIMS						T1=22624		SECONDS RUNNING			397735.882555		9724
07241	CLOCK REQUEST 4	LUNLAND						T1=22626		SECONDS RUNNING			397735.902095		8056
073437	CLOCK REQUEST 2	DISPEXIT						T1=22726		SECONDS RUNNING			397736.543543		3319
DISPLAYS =	63	06	63	+22783	-01145	+30161									397737.000000

397737.62	1741844 -	7.09	1.05	30.4 -	3.52	0.80	0.12	0.78	0.02 -	0.00	215	0	9947	584.8	5.23
110:28:57 -	426	1.1 -	0.00	2264.4	338.75	163.10	75.30	75.30	0.10	0.21 -	4 -	4	3348	8218	-850.66

LANDING - 67642 [illegible] - 3.91 - 115.7 30080 [illegible].21 359.21 0.12 0.28 - 0.00 - 782 6 23996 5187

107437	CLCCK REQUEST @ [illegible]EADACCS	T1=23040	SECONDS RUNNING	397737.281192	0373
107447	CLCCK REQUEST @ PIPSDONE	T1=23040	SECONDS RUNNING	397737.282423	0268
[illegible]762C0	CLCCK REQUEST @ SERVICER	T1=23041	SECONDS RUNNING	397737.290498	9579
[illegible]77127	CLCCK REQUEST @ POSUPDAT	T1=23101	SECONDS RUNNING	397737.618935	1553
[illegible]77251	CLCCK REQUEST @ UPDATED	T1=23113	SECONDS RUNNING	397737.710642	3727
[illegible]1632	CLCCK REQUEST @ RCGIMS	T1=23135	SECONDS RUNNING	397737.893228	8146
[illegible]72410	CLCCK REQUEST @ LUNLAND	T1=23136	SECONDS RUNNING	397737.903403	7278
[illegible]73437	CLCCK REQUEST @ DISPEXIT	T1=23241	SECONDS RUNNING	397738.577543	9751

DISPLAYS = 63 06 63 +22530 -01154 +29968 397739.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FCRVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DCY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397739.2	[illegible]82825 -	[illegible]	[illegible]	30.7 -	[illegible].51	0.81	0.17	0.80	0.02 -	0.00	217 -	1	9948	584.8	5.19
110:28:56 -	415	[illegible].1	0.01	2238.9	338.70	163.07	75.23	75.23 -	0.10	0.10 -	3 -	4	3374	8153	-852.77
LANDING -	65678	675.8 -	[illegible] -	116.6	29886	0.27	359.19	0.17	0.31 -	0.00 -	783	7	23930	5187	

107437	CLCCK REQUEST @ [illegible]EADACCS	T1=23350	SECONDS RUNNING	397739.281084	9716
107447	CLCCK REQUEST @ PIPSDONE	T1=23350	SECONDS RUNNING	397739.282315	9611
076200	CLCCK REQUEST @ SERVICER	T1=23351	SECONDS RUNNING	397739.291480	8829
077127	CLCCK REQUEST @ POSUPDAT	T1=23411	SECONDS RUNNING	397739.618562	0918
077251	CLCCK REQUEST @ RUPDATED	T1=23423	SECONDS RUNNING	397739.714070	2768
001632	CLCCK REQUEST @ RCGIMS	T1=23445	SECONDS RUNNING	397739.891935	7590
7 410	CLCCK REQUEST @ LUNLAND	T1=23446	SECONDS RUNNING	397739.905524	6430
073437	CLCCK REQUEST @ DISPEXIT	T1=23551	SECONDS RUNNING	397740.577593	9081

DISPLAYS = 63 06 63 +22277 -01163 +29775 397741.000000

397741.2	174[illegible]4 -	11.1	1.07	30.[illegible] -	3.50	0.83	0.21	0.81	0.00 -	0.00	216 -	1	9949	584.8	5.16
110:29: 1 -	414	[illegible].1	[illegible]	2213.4	338.66	163.16	75.27	75.27 -	0.06	0.21 -	3 -	4	3400	8087	-854.85
LANDING -	6432.7	671.1 -	[illegible] -	117.6	[illegible]9690	[illegible].21	359.18	0.20	0.03 -	0.00 -	786	6	23864	5187	

107437	CLOCK REQUEST @ RADACCS	T1=23660	SECONDS RUNNING	397741.281084	9049
107447	CLOCK REQUEST @ PIPSDONE	T1=23660	SECONDS RUNNING	397741.282315	8944
076206	CLOCK REQUEST @ SERVICER	T1=23661	SECONDS RUNNING	397741.290396	8255
077127	CLOCK REQUEST @ POSUPDAT	T1=23722	SECONDS RUNNING	397741.622567	9909
077251	CLOCK REQUEST @ RUPDATED	T1=23733	SECONDS RUNNING	397741.714395	2073
101[illegible]	CLOCK REQUEST @ [illegible]EGINS	T1=23755	SECONDS RUNNING	397741.891109	6994
072410	CLOCK REQUEST @ LUNLANC	T1=23756	SECONDS RUNNING	397741.905986	5724
07[illegible]437	CLOCK REQUEST @ [illegible]ISPEXIT	T1=24062	SECONDS RUNNING	397742.583512	7909
DISPLAYS =	[illegible] 06 63 +22023 -01172 +29589				397743.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	PCS	APOLU
	(TABLE MEMBER COORDS)		FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397743.2	1743780 -	12.1	30.9 -	3.49	0.84	0.26	0.82 -	0.01 -	0.00	218 -	1	9950	584.8	5.12
110:29: 3 -	413	1[illegible]	2187.9	338.62	163.02	75.09	75.09	0.08 -	0.00 -	3 -	4	3427	8021	-856.91
LANDING -	629.3	663.3 -	3.[illegible] -	118.5	29505	0.36	359.17	0.26 -	0.20	0.10 -	786 7	23798	5187	
107437	CLOCK REQUEST @ RADACCS							T1=24170	SECONDS RUNNING			397743.281083		8383
107447	CLOCK REQUEST @ PIPSDONE							T1=24170	SECONDS RUNNING			397743.282314		8278
076206	CLOCK REQUEST @ SERVICER							T1=24171	SECONDS RUNNING			397743.290390		7588
077127	CLOCK REQUEST @ POSUPDAT							T1=24231	SECONDS RUNNING			397743.617248		9697
077251	CLOCK REQUEST @ RUPDATED							T1=24242	SECONDS RUNNING			397743.708679		1895
101[illegible]	CLOCK REQUEST @ [illegible]EGINS							T1=24264	SECONDS RUNNING			397743.881926		7111
072410	CLOCK REQUEST @ LUNLANC							T1=24266	SECONDS RUNNING			397743.901470		5443
07[illegible]437	CLOCK REQUEST @ [illegible]ISPEXIT							T1=24366	SECONDS RUNNING			397744.541639		0815
DISPLAYS =	63 06 6 +21768 -01182 +29364													397745.000000
397745.2	1743755 -	13.2	30.7 -	3.48	0.84	0.08	0.82 -	0.01	0.76	220	0	9950	584.8	5.09
110:25: 5 -	412	1[illegible] -	2162.2	338.58	163.19	75.22	75.22	0.18	0.10 -	2 -	4	3453	7955	-858.95
LANDING -	61473	55.5 -	2.[illegible] -	118.5	29232	0.18	359.17	0.07 -	0.49 -	0.00 -	790 7	23732	5187	
107437	CLOCK REQUEST @ RADACCS							T1=24500	SECONDS RUNNING			397745.281084		7716
107447	CLOCK REQUEST @ PIPSDONE							T1=24500	SECONDS RUNNING			397745.282317		7611

076200	CLOCK REQUEST @ SERVICER	T1=24501	SECONDS RUNNING	397745.291783	6803
077127	CLOCK REQUEST @ POSUPDAT	T1=24541	SECONDS RUNNING	397745.619708	8820
077251	CLOCK REQUEST @ UPDATEC	T1=24553	SECONDS RUNNING	397745.716517	0730
101632	CLOCK REQUEST @ RECIMS	T1=24575	SECONDS RUNNING	397745.892174	5570
072410	CLOCK REQUEST @ LUNLAND	T1=24576	SECONDS RUNNING	397745.907447	4266
073437	CLOCK REQUEST @ LISPEXIT	T1=24676	SECONDS RUNNING	397746.544491	9905
DISPLAYS = 03 06 63	+21512 -01191 +29175				397747.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	T (TABLE MEMBER METRIC UNITS)	V (CCRLS)	A	LATVEL FCHVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397747.02	1743727 -	14.3	1.06	30.5 -	3.47	0.84	359.90	0.82	0.00	0.76	219 -	1	9951	584.8	5.05
110:29: 7 -	406	1.1 -	1.03	2130.5	338.53	163.29	75.28	75.27	0.01	0.21 -	6 -	4	3480	7889	-860.95
LANDING -	60370	6476.6 -	2.97 -	120.5	29140	0.01	359.16 -	0.09	0.04 -	0.00 -	793	6	23666	5187	
107437	CLOCK REQUEST @ READACCS							T1=25010	SECONDS RUNNING				397747.281083		7049
107447	CLOCK REQUEST @ PIPSDONE							T1=25010	SECONDS RUNNING				397747.282314		6944
076200	CLOCK REQUEST @ SERVICER							T1=25011	SECONDS RUNNING				397747.290391		6255
077127	CLOCK REQUEST @ POSUPDAT							T1=25052	SECONDS RUNNING				397747.621558		7995
077251	CLOCK REQUEST @ RUPDATEC							T1=25063	SECONDS RUNNING				397747.713317		0165
101632	CLOCK REQUEST @ RECIMS							T1=25105	SECONDS RUNNING				397747.891060		4998
072410	CLOCK REQUEST @ LUNLAND							T1=25106	SECONDS RUNNING				397747.905434		3771
073437	CLOCK REQUEST @ LISPEXIT							T1=25206	SECONDS RUNNING				397748.544590		9230
DISPLAYS = 03 06 63	+21256 -01201 +28985														397749.000000
397749.02	1740698 -	15.4	1.07	30.7 -	3.46	0.86	0.08	0.84	0.02	0.76	219 -	1	9952	584.8	5.01
110:29: 9 -	405	1.1 -	1.00	2110.7	338.49	163.25	75.19	75.19 -	0.14	0.10 -	5 -	4	3506	7823	-862.93
LANDING -	59682	6396.8 -	3.34 -	121.6	28952	0.19	359.15	0.08	0.37 -	0.00 -	794	7	23601	5187	
107437	CLOCK REQUEST @ READACCS							T1=25320	SECONDS RUNNING				397749.281083		6383
107447	CLOCK REQUEST @ PIPSDONE							T1=25320	SECONDS RUNNING				397749.282314		6278
076200	CLOCK REQUEST @ SERVICER							T1=25321	SECONDS RUNNING				397749.290391		5588
077127	CLOCK REQUEST @ POSUPDAT							T1=25361	SECONDS RUNNING				397749.614005		7973

077251	CLOCK REQUEST @ UPDATED	T1=25372	SECONDS RUNNING	397749.704836	0222
101632	CLOCK REQUEST @ REGINS	T1=25414	SECONDS RUNNING	397749.881043	5186
072416	CLOCK REQUEST @ LUNLAND	T1=25415	SECONDS RUNNING	397749.896702	3850
073427	CLOCK REQUEST @ DISPEXIT	T1=25515	SECONDS RUNNING	397750.538372	9094

DISPLAYS = 02 06 +20999 -01212 +28794 397751.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V		LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	OGX	THRLST	RCS	APOLU
LANDING	METRIC UNITS			FCRVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	GRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	OGY OGZ	DELTAV MASS	OPS APS	PERILU
397751.0	174266 -	16.4	16.[illegible]	31.0 -	3.45	0.68	0.19	0.85	0.02	0.76	221	0	9953	584.8	4.98
110:29:11 -	404	1.2	3.0[illegible]	2084.8	338.45	163.28	75.18	75.17 -	0.10	0.21 -	3 -	4	3533	7757	-864.89
LANDING -	57809	631.9 -	4.0[illegible] -	122.6	28762	0.30	359.13	0.18	0.27 -	0.00 -	797	7	23535	5187	

107437	CLOCK REQUEST @ READACCS	T1=25630	SECONDS RUNNING	397751.281083	5716
107447	CLOCK REQUEST @ PIPSDONE	T1=25630	SECONDS RUNNING	397751.282314	5611
076206	CLOCK REQUEST @ SERVICER	T1=25631	SECONDS RUNNING	397751.291474	4829
077167	CLOCK REQUEST @ PCSUPDAT	T1=25671	SECONDS RUNNING	397751.618028	6963
077251	CLOCK REQUEST @ UPDATED	T1=25703	SECONDS RUNNING	397751.712685	8886
101632	CLOCK REQUEST @ REGINS	T1=25725	SECONDS RUNNING	397751.894251	3392
072416	CLOCK REQUEST @ LUNLAND	T1=25726	SECONDS RUNNING	397751.904429	2524
073427	CLOCK REQUEST @ DISPEXIT	T1=26026	SECONDS RUNNING	397752.542336	8089

DISPLAYS = 63 06 63 +20741 -01223 +28662 397753.000000

397753.0	174267 -	17.5	16.1	30.9 -	3.44	0.89	0.12	0.86	0.00	0.76	222 -	1	9953	584.8	4.94
110:29:11 -	404	1.2	3.02	2058.8	338.41	163.23	75.09	75.09 -	0.03	0.10 -	4 -	4	3559	7692	-866.81
LANDING -	56552	624.0 -	4.0[illegible] -	123.7	28570	0.23	359.12	0.12 -	0.04 -	0.00 -	799	7	23469	5187	

107437	CLOCK REQUEST @ READACCS	T1=26140	SECONDS RUNNING	397753.281083	5049
107447	CLOCK REQUEST @ PIPSDONE	T1=26140	SECONDS RUNNING	397753.282314	4944
076206	CLOCK REQUEST @ SERVICER	T1=26141	SECONDS RUNNING	397753.290391	4255
077167	CLOCK REQUEST @ PCSUPDAT	T1=26202	SECONDS RUNNING	397753.622391	5924
077251	CLOCK REQUEST @ UPDATED	T1=26213	SECONDS RUNNING	397753.714171	8093
1016	CLOCK REQUEST @ REGINS	T1=26235	SECONDS RUNNING	397753.891063	2998

07241C	CLOCK REQUEST & LUNLAND	T1=26236	SECONDS RUNNING	397753.905437	1771
07747	CLOCK REQUEST & DISPEXIT	T1=26341	SECONDS RUNNING	397754.578556	4332

DISPLAYS = 63 76 61 +20483 -01236 +28359 397755.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	V	A	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	RRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS DPS	APOLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BOLL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397755.02	743590 -	18.0	1.0	31.0 -	3.42	0.90	0.23	0.87 -	0.00	0.76	224 -	1	9954	584.8	4.90
110:29:15 -	396	1.2	0.01	2032.9	338.37	163.24	75.05	75.05	0.12 -	0.00 -	4 -	5	3586	7626	-868.72
LANDING -	58217	6160 -	4.0 -	124.8	28374	0.34	359.11	0.23 -	0.12 -	0.00 -	801	6	23403	5187	

107427	CLOCK REQUEST & FLADACCS	T1=26450	SECONDS RUNNING	397755.281084	4383
107447	CLOCK REQUEST & PIPSDONE	T1=26450	SECONDS RUNNING	397755.282316	4278
07[illegible]	CLOCK REQUEST & SERVICER	T1=26451	SECONDS RUNNING	397755.290398	3588
077127	CLOCK REQUEST & PRSUPDAT	T1=26511	SECONDS RUNNING	397755.619316	5520
07751	CLOCK REQUEST & RUPDATED	T1=26523	SECONDS RUNNING	397755.710531	7737
10163	CLOCK REQUEST & RUGIMS	T1=26545	SECONDS RUNNING	397755.892009	2250
07241C	CLOCK REQUEST & LUNLAND	T1=26546	SECONDS RUNNING	397755.902184	1382
073427	CLOCK REQUEST & DISPEXIT	T1=26646	SECONDS RUNNING	397756.542273	6761

DISPLAYS = 63 76 61 +20223 -01244 +28168 397757.000000

397757.02	743558 -	19.5	1.05	31.0 -	3.41	0.91	0.30	0.88 -	0.01	0.87	224 -	1	9955	584.8	4.87
110:29:17 -	395	1.2	[illegible]	2006.6	338.33	163.37	75.14	75.14	0.18	0.10	0 -	4	3613	7560	-870.59
LANDING -	54092	6301 -	[illegible] -	125.2	27999	0.41	359.10	0.29 -	0.44	0.21 -	804	7	23237	5187	

107427	CLOCK REQUEST & FLADACCS	T1=26760	SECONDS RUNNING	397757.281084	3716
107447	CLOCK REQUEST & PIPSDONE	T1=26760	SECONDS RUNNING	397757.282316	3611
07[illegible]	CLOCK REQUEST & SERVICER	T1=26761	SECONDS RUNNING	397757.291778	2803
077127	CLOCK REQUEST & PRSUPDAT	T1=27021	SECONDS RUNNING	397757.615071	5216
07751	CLOCK REQUEST & RUPDATED	T1=27032	SECONDS RUNNING	397757.709472	7160
10163	CLOCK REQUEST & RUGIMS	T1=27054	SECONDS RUNNING	397757.861378	2491
07241C	CLOCK REQUEST & LUNLAND	T1=27056	SECONDS RUNNING	397757.903947	0565
07347	CLOCK REQUEST & DISPEXIT	T1=27156	SECONDS RUNNING	397758.542439	6080

DISPLAYS = [illegible] +19963 -01256 +27915 397759.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / CPS / APS	APOLU / PERILU
397759.00	1743517 -	20.5	1.0	30.7 -	3.41	0.91	359.93	0.68	0.00	0.87	224	0	9956	584.8	4.83
11:32:21 -	394	1.2 -	1.0	1983.5	338.29	163.31	75.05	75.04 -	0.10	0.10 -	4 -	4	3640	7494	-872.44
LANDING -	52895	600.1 -	4.03 -	127.1	27622	0.05	359.10 -	0.06	0.00 -	0.00 -	805	7	23271	5187	

107437	CLOCK REQUEST @ READACCS	T1=27270	SECONDS RUNNING	397759.281083	3049
107447	CLOCK REQUEST @ PIPSDONE	T1=27270	SECONDS RUNNING	397759.282314	2944
076206	CLOCK REQUEST @ SERVICER	T1=27271	SECONDS RUNNING	397759.290392	2255
077127	CLOCK REQUEST @ POSUPDAT	T1=27332	SECONDS RUNNING	397759.622433	3921
077251	CLOCK REQUEST @ RUPDATED	T1=27343	SECONDS RUNNING	397759.714532	6062
[illegible]	CLOCK REQUEST @ PEGINS	T1=27365	SECONDS RUNNING	397759.891066	0998
072410	CLOCK REQUEST @ LUNLAND	T1=27366	SECONDS RUNNING	397759.905894	9732
0734 7	CLOCK REQUEST @ LISPEXIT	T1=27471	SECONDS RUNNING	397760.575974	2552

DISPLAYS = 63 06 [illegible] +19703 -01268 +27639 397761.000000

397761.00	1743475 -	21.5	1.11	31.1 -	3.39	0.94	0.26	0.91	0.02	0.87	227 -	1	9956	584.8	4.79
11:32:21 -	392	1.2	0.0	1954.2	338.26	163.25	74.95	74.95 -	0.21	0.21 -	4 -	4	3667	7428	-874.26
LANDING -	51690	592.1 -	4.04 -	128.2	27245	0.38	359.08	0.26	0.48 -	0.00 -	807	7	23205	5187	

107437	CLOCK REQUEST @ READACCS	T1=27600	SECONDS RUNNING	397761.281148	2377
107447	CLOCK REQUEST @ PIPSDONE	T1=27600	SECONDS RUNNING	397761.282380	2272
076206	CLOCK REQUEST @ SERVICER	T1=27601	SECONDS RUNNING	397761.290462	1582
077127	CLOCK REQUEST @ POSUPDAT	T1=27641	SECONDS RUNNING	397761.619817	3477
077251	CLOCK REQUEST @ RUPDATED	T1=27653	SECONDS RUNNING	397761.711903	5619
[illegible]	CLOCK REQUEST @ PEGINS	T1=27675	SECONDS RUNNING	397761.893868	0092
072410	CLOCK REQUEST @ LUNLAND	T1=27676	SECONDS RUNNING	397761.904044	9223
073427	CLOCK REQUEST @ DISPEXIT	T1=30001	SECONDS RUNNING	397762.577202	1781

DISPLAYS = [illegible] +19442 -01279 +27345 397763.000000

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397763.0  1743421 -  22.5   1.15    31.2 -  3.38   0.95   0.27   0.92   0.01   0.87  230 -  1   9957  584.8    4.75
11 :29:3 -    385    1.3   0.02  1967.9  338.22  162.95  74.61  74.61 - 0.31   0.10 -  1 -  4   3694   7362 -876.06
  LANDING -  50515  594.1 - 4.0 7 - 129.4   26867   0.40  359.06   0.27   0.11   0.10 - 809    6  23139   5187

  107437    CLOCK REQUEST @ READACCS                    T1=30110    SECONDS RUNNING    397763.281084    1716
  107447    CLOCK REQUEST @ PIPSDONE                    T1=30110    SECONDS RUNNING    397763.282316    1611
  076200    CLOCK REQUEST @ SERVICER                    T1=30111    SECONDS RUNNING    397763.291483    0829
  077127    CLOCK REQUEST @ POSUPDAT                    T1=30151    SECONDS RUNNING    397763.615917    3144
  077251    CLOCK REQUEST @ RUPDATED                    T1=30163    SECONDS RUNNING    397763.711414    4994
  10162     CLOCK REQUEST @ PROGIMS                     T1=30205    SECONDS RUNNING    397763.891936    9590
  07241     CLOCK REQUEST @ LUNLAND                     T1=30206    SECONDS RUNNING    397763.905343    8446
  073437    CLOCK REQUEST @ LISPEXIT                    T1=30306    SECONDS RUNNING    397764.542489    4076
DISPLAYS =    63    06    6          +19189  -01201  +27037                                              397765.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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  TIME      R       V       A    LATVEL    LAT     YAW   BALL-R  CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS    APOLU
 (STABLE MEMBER CHRCD)         FORVEL   LONG   PITCH  BALL-P  CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS    PERILU
 LANDING      METRIC UNITS      ALTRATE  ALT    ROLL   BALL-Y  CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397765.0  1743385 -  23.4   1.0    31.0 -  3.37   0.96   0.06   0.93   0.00   0.87  235   0   9958  584.8    4.71
110:29:1 -    384    1.3   0.01  1901.5  338.18  162.88  74.50  74.50   0.09   0.10 -  4 -  4   3721   7296 -877.83
  LANDING -  49351  576.0 - 4.0 - 13C.4   26488   0.21  359.06   0.08 - 0.09   0.00 - 812    7  23073   5187

  107437    CLOCK REQUEST @ READACCS                    T1=30420    SECONDS RUNNING    397765.281083    1049
  107447    CLOCK REQUEST @ PIPSDONE                    T1=30420    SECONDS RUNNING    397765.282315    0944
  076200    CLOCK REQUEST @ SERVICER                    T1=30421    SECONDS RUNNING    397765.290393    0255
  077127    CLOCK REQUEST @ POSUPDAT                    T1=30462    SECONDS RUNNING    397765.622412    1923
  077251    CLOCK REQUEST @ RUPDATED                    T1=30473    SECONDS RUNNING    397765.714260    4085
  10162     CLOCK REQUEST @ PROGIMS                     T1=30515    SECONDS RUNNING    397765.891154    8990
  07241     CLOCK REQUEST @ LUNLAND                     T1=30516    SECONDS RUNNING    397765.904971    7811
  073437    CLOCK REQUEST @ LISPEXIT                    T1=30616    SECONDS RUNNING    397766.544975    3197
DISPLAYS =    63    06    63         +18917  -01300  +26714                                              397767.000000

397767.2  1743339 -  24.2   1.0    30.8 -  3.36   0.97   0.05   0.94   0.01   0.87  236 -  1   9959  584.8    4.67
110:29:27 -    382    1.3 -  0.0  1875.0  338.14  162.79  74.38  74.37   0.09   0.10 -  5 -  4   3749   7230 -879.57
  LANDING -  48206  568.0 - 4.0 - 12.4   26109   0.18  359.05   0.05 - 0.06   0.00 - 813    7  23007   5187
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107437    CLOCK REQUEST @ READACCS                    T1=30730    SECONDS RUNNING    397767.281083    0383
107447    CLOCK REQUEST @ PIPSDONE                    T1=30730    SECONDS RUNNING    397767.282315    0278
076206    CLOCK REQUEST @ SERVICER                    T1=30731    SECONDS RUNNING    397767.290393    9588
077127    CLOCK REQUEST @ POSUPDAT                    T1=30771    SECONDS RUNNING    397767.617282    1694
77251     CLOCK REQUEST @ KUPDATED                    T1=31002    SECONDS RUNNING    397767.708676    3895
1[illegible]1632  CLOCK REQUEST @ [illegible]CCIMS                T1=31024    SECONDS RUNNING    397767.882114    9095
072410    CLOCK REQUEST @ LUNLAND                     T1=31026    SECONDS RUNNING    397767.901649    7428
07[illegible]437  CLOCK REQUEST @ DISPEXIT                    T1=31126    SECONDS RUNNING    397768.541372    2838
DISPLAYS =    63    06    63          +18654  -01310  +26360                                    397769.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      P        V        A     LATVEL     LAT     YAW   BALL-R   CDUX   PRATE   ATT-X   DPPX   DGX   THRUST   RCS    APOLU
(STABLE MEMBER CLOCKS)  FORVEL   LONG   PITCH   BALL-P   CDUY   QRATE   ATT-Y   DPPY   DGY   DELTAV   DPS    PERILU
 LANDING     METRIC UNITS       ALTRATE   ALT    ROLL    BALL-Y   CDUZ   RRATE   ATT-Z   DPPZ   DGZ    MASS    APS
397765.2  174232 - 25.[illegible]  1.17   3[illegible].6 -  [illegible].35   0.97   359.99   0.94 - 0.00   0.87   239 -  1   5959   584.8    4.63
110:25:35 -  39[illegible]   1.[illegible] - [illegible].[illegible]  1848.6   336.11  162.66   74.21   0.00   0.10 -   5 -  5   3776   7164 -881.29
 LANDING -  47282   55.9 - 4.[illegible]7 - 122.[illegible]  25730   0.12  359.04 - 0.01 - 0.15 - 0.00 - 834    7  22542   5187

107437    CLOCK REQUEST @ READACCS                    T1=31240    SECONDS RUNNING    397769.281083    9716
107447    CLOCK REQUEST @ PIPSDONE                    T1=31240    SECONDS RUNNING    397769.282315    9611
076206    CLOCK REQUEST @ SERVICER                    T1=31241    SECONDS RUNNING    397769.291699    8810
077127    CLOCK REQUEST @ POSUPDAT                    T1=31301    SECONDS RUNNING    397769.617446    1013
77251     CLOCK REQUEST @ KUPDATED                    T1=31313    SECONDS RUNNING    397769.712344    2915
101632    CLOCK REQUEST @ KCCIMS                      T1=31335    SECONDS RUNNING    397769.891095    7662
072410    CLOCK REQUEST @ LUNLAND                     T1=31336    SECONDS RUNNING    397769.905202    6458
07[illegible]437  CLOCK REQUEST @ DISP XIT                    T1=31435    SECONDS RUNNING    397770.539412    2339
DISPLAYS =    6[illegible]    06    6[illegible]          +18[illegible]  -01319  +26036                                    397771.000000

397771.2  174237 - 2[illegible].0[illegible]  [illegible]  30.8 -  3.35   0.99   0.07   0.95   0.01   0.87   243 -  1   9960   584.8    4.59
110:25:31 -  37[illegible]   1.[illegible] - [illegible].[illegible]  1822.[illegible]  338.07  161.50   74.01   74.01 - 0.32   0.21 -   4 -  4   3803   7098 -882.97
 LANDING -  45[illegible]7[illegible]   55.8 - 4.[illegible] - 122.2  25351   0.20  359.03   0.06   0.16 - 0.00 - 815    6  22876   5187

107437    CLOCK REQUEST @ READACCS                    T1=31550    SECONDS RUNNING    397771.281083    9049
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107447    CLOCK REQUEST @ PIPSDONE                    T1=31550    SECONDS RUNNING    397771.282315    8944
076206    CLOCK REQUEST @ SERVICER                    T1=31551    SECONDS RUNNING    397771.290394    8255
077127    CLOCK REQUEST @ POSUPDAT                    T1=31611    SECONDS RUNNING    397771.616939    0390
077251    CLOCK REQUEST @ RUPDATED                    T1=31622    SECONDS RUNNING    397771.709758    2469
101632    CLOCK REQUEST @ R.GIMS                      T1=31644    SECONDS RUNNING    397771.881555    7809
072410    CLOCK REQUEST @ LUNLAND                     T1=31646    SECONDS RUNNING    397771.901094    6142
[illegible]457    CLOCK REQUEST @ DISPEXIT                    T1=31746    SECONDS RUNNING    397772.541659    1480
DISPLAYS =    63    06    63          +17126  -01326  +25760                                          397773.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME        V        A    LATVEL    LAT    YAW   BALL-P   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)    FORVEL    LONG   PITCH  BALL-R   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
LANDING     METRIC UNITS    ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397773.2  1743184 -  26.5   1.22   30.5 -  3.34   1.00   0.05   0.97   0.02   0.87   247    0   9961  584.8    4.55
110:[illegible]3 -   371   1.63   0.11  1795.4  338.04  162.28  73.76  73.76 -  0.31  0.10 -   4 -   4   3831  7032 -884.63
LANDING -  44873   54.7 -  4.11 - 134.    25038   0.19  359.02   0.05   0.05 -  0.00 - 817    7  22810  5187

107437    CLOCK REQUEST @ READACCS                    T1=32060    SECONDS RUNNING    397773.281266    8367
107447    CLOCK REQUEST @ PIPSDONE                    T1=32060    SECONDS RUNNING    397773.282498    8262
076206    CLOCK REQUEST @ SERVICER                    T1=32061    SECONDS RUNNING    397773.290582    7572
077127    CLOCK REQUEST @ POSUPDAT                    T1=32121    SECONDS RUNNING    397773.618917    9554
077251    CLOCK REQUEST @ RUPDATED                    T1=32132    SECONDS RUNNING    397773.709682    1809
101632    CLOCK REQUEST @ R.GIMS                      T1=32154    SECONDS RUNNING    397773.881951    7109
072410    CLOCK REQUEST @ LUNLAND                     T1=32156    SECONDS RUNNING    397773.901500    5440
[illegible]447    CLOCK REQUEST @ DISPEXIT                    T1=32255    SECONDS RUNNING    397774.539315    1014
DISPLAYS =    63    06    63          +17862  -01336  +25420                                          397775.000000

397775.2  1743125 -  27.6   1.24   30.7 -  3.33   1.02   0.21   0.98   0.01   0.87   250 -  1   9962  584.8    4.51
110:29:35 -   370   1.63   0.04  1768.7  338.00  162.22  75.66  73.66   0.03 -  0.00 -   4 -   4   3858  6966 -886.27
LANDING -  4[illegible]792   535.5 - 4.[illegible] - 134.7    24937   0.35  359.00   0.21   0.24 -  0.00 - 820    7  22744  5187

107437    CLOCK REQUEST @ READACCS                    T1=32370    SECONDS RUNNING    397775.281083    7716
107447    CLOCK REQUEST @ PIPSDONE                    T1=32370    SECONDS RUNNING    397775.282315    7611
076206    CLOCK REQUEST @ SERVICER                    T1=32371    SECONDS RUNNING    397775.290478    6829
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77207	CLOCK REQUEST @ PCSUPEAT	T1=32431	SECONDS RUNNING	397775.618407	8931
077251	CLOCK REQUEST @ UPDATED	T1=32443	SECONDS RUNNING	397775.713384	0826
101632	CLOCK REQUEST @ RLCIMS	T1=32465	SECONDS RUNNING	397775.891916	5592
072410	CLOCK REQUEST @ LUNLAND	T1=32466	SECONDS RUNNING	397775.906807	4321
073437	CLOCK REQUEST @ DISPEXIT	T1=32566	SECONDS RUNNING	397776.543195	0016

DISPLAYS = 43 06 6[illegible] +17596 -01364 +25178 397777.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
(STATE MEMBERS)			FORVEL	LONG	PITCH	BALL-P	COUY	CRATE	ATT-Y	DPPY	DGY	DELTAV	OPS	PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397777.2	174[illegible]73 - 2[illegible]	1.24	3[illegible].6 -	3.32	1.03	0.19	0.99 -	0.00	0.98	251 -	1	9962	584.8	4.47
110:29:37 -	368 1[illegible]	0.0	1741.5	337.97	162.22	73.63	73.63 -	0.19	0.00 -	3 -	4	3886	6900	-887.88
LANDING -	4272[illegible]	527.4 -	4.0[illegible] -	135.5	24953	0.33	358.99	0.18 -	0.31	0.10 -	822	7	22678	5187

107437	CLOCK REQUEST @ READACCS	T1=32700	SECONDS RUNNING	397777.281084	7049
107447	CLOCK REQUEST @ PIPSDONE	T1=32700	SECONDS RUNNING	397777.282316	6944
076206	CLOCK REQUEST @ SERVICER	T1=32701	SECONDS RUNNING	397777.290401	6254
077127	CLOCK REQUEST @ PCSUPEAT	T1=32742	SECONDS RUNNING	397777.622895	7881
077251	CLOCK REQUEST @ UPDATED	T1=32753	SECONDS RUNNING	397777.714085	0100
101632	CLOCK REQUEST @ RDCIMS	T1=32775	SECONDS RUNNING	397777.894048	4743
072410	CLOCK REQUEST @ LUNLAND	T1=32776	SECONDS RUNNING	397777.904214	3875
073437	CLOCK REQUEST @ DISPEXIT	T1=33076	SECONDS RUNNING	397778.544309	9254

DISPLAYS = 63 06 [illegible] +17332 -01251 +24943 397779.000000

397779.2	174[illegible]15 -	29.2	1.22	30.4 -	3.31	1.04	0.13	1.01 -	0.01	0.98	251 -	1	9963	584.8	4.43
110:29:39 -	365	1.7 -	0.0	1715.1	337.94	162.40	73.76	73.77	0.32 -	0.00 -	3 -	5	3814	6834	-889.46
LANDING -	41685	51.2 -	4.12 -	136.3	24763	0.27	358.98	0.13 -	0.37	0.10 -	825	7	22612	5187	

107437	CLOCK REQUEST @ READACCS	T1=33210	SECONDS RUNNING	397779.281084	6383
107447	CLOCK REQUEST @ PIPSDONE	T1=33210	SECONDS RUNNING	397779.282316	6277
076206	CLOCK REQUEST @ SERVICER	T1=33211	SECONDS RUNNING	397779.290401	5588
077127	CLOCK REQUEST @ PCSUPEAT	T1=33251	SECONDS RUNNING	397779.616494	7761
077251	CLOCK REQUEST @ UPDATED	T1=33262	SECONDS RUNNING	397779.707556	9990

101632	CLCCK REQUEST a [illegible]	T1=33304	SECONDS RUNNING	397779.881050	5186
072410	CLCCK REQUEST a LUNLAND	T1=33305	SECONDS RUNNING	397779.899547	3607
073437	CLCCK REQUEST a DISPEXIT	T1=33406	SECONDS RUNNING	397780.540921	8877

DISPLAYS = 63 06 63 +17063 -01359 +24713 397781.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	h (TABLE MEMBER METRIC UNITS)	V CCORDS)	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPY OPPY OPPZ	DGX OGY OGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
3977[illegible]1.02	176[illegible].56 -	29.9	1.21	30.0 -	3.30	1.04	359.52	1.01 -	0.00	0.98	250	0	9964	534.8	4.38
110:29:41 -	343	1.3 -	0. -	1688.2	337.90	162.59	73.93	73.92 -	0.12	0.21 -	5 -	4	3942	6768	-891.02
LANDING -	40653	5116.0 -	4.13 -	137.2	24555	0.07	358.98 -	0.07 -	0.20 -	0.00 -	826	7	22546	5187	

107437	CLCCK REQUEST a REALACCS	T1=33520	SECONDS RUNNING	397781.281083	5716
107447	CLCCK REQUEST a PIPSUCNE	T1=33520	SECONDS RUNNING	397781.282315	5611
076200	CLCCK REQUEST a SERVICER	T1=33521	SECONDS RUNNING	397781.291774	4804
077127	CLCCK REQUEST a POSUPDAT	T1=33561	SECONDS RUNNING	397781.619950	6799
077251	CLCCK REQUEST a RUPDATED	T1=33573	SECONDS RUNNING	397781.714710	8713
101632	CLCCK REQUEST a PCGIMS	T1=33615	SECONDS RUNNING	397781.892447	3546
072410	CLCCK REQUEST a LUNLAND	T1=33616	SECONDS RUNNING	397781.909297	2108
073437	CLCCK REQUEST a DISPEXIT	T1=33721	SECONDS RUNNING	397782.577020	5129

DISPLAYS = 63 06 63 +16795 -01369 +24487 397783.000000

SNAPSHOT 397783 SECONDS RUNNING 397783.000036

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V ALTRATE	A	LATVEL FORVEL	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397783.2	1742890 - 3[illegible]6	1.[illegible]5		29.7 -	3.29	1.05	359.96	1.02	0.02	0.98	253 -	1	9965	584.8	4.34
110:29:43 -	361	1.3 -	0.01	1661.2	337.87	162.25	73.55	73.55 -	0.45 -	0.00 -	6 -	4	3969	6702	-892.56
LANDING -	3[illegible]638	502.7 -	4.15 -	138.0	24352	0.10	358.97 -	0.04	0.53 -	0.10 -	828	7	22480	5187	

107417	CLOCK REQUEST @ READACCS	T1=34030	SECONDS RUNNING	397783.281084	5049
107447	CLOCK REQUEST @ PIPSDONE	T1=34030	SECONDS RUNNING	397783.282317	4944
076206	CLOCK REQUEST @ SERVICER	T1=34031	SECONDS RUNNING	397783.290402	4254
077127	CLOCK REQUEST @ POSUPDAT	T1=34072	SECONDS RUNNING	397783.622206	5940
07725[illegible]	CLOCK REQUEST @ RUPDATED	T1=34103	SECONDS RUNNING	397783.714087	8100
1[illegible]1632	CLOCK REQUEST @ RDGIMS	T1=34125	SECONDS RUNNING	397783.891054	2999
072410	CLOCK REQUEST @ LUNLAND	T1=34126	SECONDS RUNNING	397783.905666	1752
07247[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=34231	SECONDS RUNNING	397784.577109	4455

DISPLAYS = 63 06 63 +16527 -01376 +24264 397785.000000

397785.7	1742[illegible]4 -	31.3	1.2[illegible]	29.9 -	3.28	1.08	0.22	1.04	0.02	0.98	257 -	1	9965	584.8	4.30
110:29:45 -	354	1.3	0.02	1634.1	337.84	162.13	73.39	73.39 -	0.06 -	0.21 -	4 -	4	3997	6636	-894.06
LANDING -	3[illegible]639	454.5 -	4.19 -	13[illegible].8	24143	0.37	358.95	0.21	0.31 -	0.00 -	832	6	22414	5187	

107417	CLOCK REQUEST @ READACCS	T1=34240	SECONDS RUNNING	397785.261161	4376
107447	CLOCK REQUEST @ PIPSDONE	T1=34340	SECONDS RUNNING	397785.262394	4271
076206	CLOCK REQUEST @ SERVICER	T1=34341	SECONDS RUNNING	397785.291009	3536
077127	CLOCK REQUEST @ POSUPDAT	T1=34401	SECONDS RUNNING	397785.619224	5528
077251	CLOCK REQUEST @ RUPDATED	T1=34413	SECONDS RUNNING	397785.710303	7756
101632	CLOCK REQUEST @ RDGIMS	T1=34435	SECONDS RUNNING	397785.891048	2332
072410	CLOCK REQUEST @ LUNLAND	T1=34436	SECONDS RUNNING	397785.904562	1179
07247[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=34536	SECONDS RUNNING	397786.542114	6775

DISPLAYS = 6[illegible] 06 6[illegible] +16258 -01[illegible]4 +24041 397787.000000

397787.2	1742[illegible] -	[illegible]	1.[illegible]	29.8 -	3.27	1.05	0.12	1.05	0.00	0.98	255 -	1	9966	584.8	4.26
110:29:47 -	351	1.[illegible]	[illegible]	1660.9	337.81	162.52	73.86	73.86	0.32 -	0.00 -	3 -	5	4025	6570	-895.55

LANDING - 37662 48662 - [illegible] - 139.6 23931 0.28 358.93 0.12 0.02 - 0.00 - 834 7 22348 5187

107437	CLOCK REQUEST a READACCS	T1=34650	SECONDS RUNNING	397787.281083	3716
107447	CLOCK REQUEST a PIPSCONE	T1=34650	SECONDS RUNNING	397787.282315	3611
076200	CLOCK REQUEST a SERVICER	T1=34651	SECONDS RUNNING	397787.291479	2829
077127	CLOCK REQUEST a POSUPDAT	T1=34711	SECONDS RUNNING	397787.614668	5250
077251	CLOCK REQUEST a VUPDATED	T1=34723	SECONDS RUNNING	397787.710155	7102
101652	CLOCK REQUEST a LOGIMS	T1=34745	SECONDS RUNNING	397787.893492	1457
07241	CLOCK REQUEST a LUNLANE	T1=34746	SECONDS RUNNING	397787.903663	0589
073457	CLOCK REQUEST a DISPEXIT	T1=35045	SECONDS RUNNING	397788.536415	6594

DISPLAYS = 63 06 63 +15988 -01392 +23820 397789.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	LATVEL	LAT	YAW	BALL-P	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS	ECRVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	DPS APS	PERILU
397789.02	1742706 - 22.6 1.24	29.8 - 3.27	1.11	0.32	1.07 - 0.01	0.98	252	0	9967	584.8	4.21		
110:29:49 -	349 1.2 0.02	1576.6	337.78	162.64	73.84	73.83	0.13	0.10 -	2 -	4	4054	6504	-897.01
LANDING -	26696	477.8 - 4.20 - 140.6	23716	0.47	358.92	0.31 - 0.33		0.21 -	837	7	22282	5187	

107437	CLOCK REQUEST a READACCS	T1=35160	SECONDS RUNNING	397789.281083	3049
107447	CLOCK REQUEST a PIPSCONE	T1=35160	SECONDS RUNNING	397789.282315	2944
076200	CLOCK REQUEST a SERVICER	T1=35161	SECONDS RUNNING	397789.290395	2255
077127	CLOCK REQUEST a POSUPDAT	T1=35222	SECONDS RUNNING	397789.623376	3840
077251	CLOCK REQUEST a VUPDATED	T1=35233	SECONDS RUNNING	397789.715177	6007
10163	CLOCK REQUEST a LOGIMS	T1=35255	SECONDS RUNNING	397789.891047	0999
07241	CLOCK REQUEST a LUNLANE	T1=35256	SECONDS RUNNING	397789.907322	9610
073457	CLOCK REQUEST a DISPEXIT	T1=35361	SECONDS RUNNING	397790.579857	2221

DISPLAYS = 63 06 63 +15717 -01403 +23591 397791.000000

397790.02	1742639 - 22.5 1.05	29.4 - 3.26	1.11	0.10	1.07 - 0.02	0.98	256 - 1	9968	584.8	4.17			
110:29:51 -	349 1.3 - 0.01	1552.2	337.75	162.42	72.59	73.55	0.04	0.10 -	2 -	4	4082	6438	-898.44
LANDING -	26747	469.5 - 4.1[illegible] - 141.5	23498	0.27	358.92	0.10 - 0.49		0.10 -	839	7	22216	5187	

107417	CLOCK REQUEST @ REACACCS	T1=35470	SECONDS RUNNING	397791.281087	2382
107447	CLOCK REQUEST @ PIPSDONE	T1=35470	SECONDS RUNNING	397791.282320	2277
176216	CLOCK REQUEST @ SERVICER	T1=35471	SECONDS RUNNING	397791.290935	1542
077127	CLOCK REQUEST @ RCSUPDAT	T1=35531	SECONDS RUNNING	397791.619084	3540
077251	CLOCK REQUEST @ RUPDATED	T1=35543	SECONDS RUNNING	397791.710054	5777
101602	CLOCK REQUEST @ RCGIMS	T1=35565	SECONDS RUNNING	397791.894191	0064
072410	CLOCK REQUEST @ LUNLAND	T1=35566	SECONDS RUNNING	397791.904366	9196
073437	CLOCK REQUEST @ DISPLEXIT	T1=35666	SECONDS RUNNING	397792.544422	4578
DISPLAYS =	63 06 63 +15445 -01412 +23350				397793.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	P	V	A	LATVEL	LAT	YAW	BALL-R	COUX	RRATE	ATT-X	DRRX	DGX	THRUST	RCS	AROLU
	(TABLE NUMBER OCTAL)			FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DRRY	DGY	DELTAV	CRS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	PRATE	ATT-Z	DRRZ	DGZ	MASS	APS	
397793.00	.742571 -	34.1	1.03	28.6 -	3.25	1.11	359.75	1.06	0.00	0.98	261 -	1	9968	584.8	4.13
110:29:55 -	344	1.3 -	1.00	1524.9	337.72	152.16	73.31	73.30 -	0.30	0.21 -	6 -	5	4110	6372	-899.85
LANDING -	.4820	461.1 -	4.0 -	142.4	23202 -	0.09	356.93 -	0.25	0.01 -	0.10 -	840	7	22150	5187	
107417	CLOCK REQUEST @ REACACCS							T1=36000		SECONDS RUNNING			397793.281084		1716
107447	CLOCK REQUEST @ PIPSDONE							T1=36000		SECONDS RUNNING			397793.282315		1611
176216	CLOCK REQUEST @ SERVICER							T1=36001		SECONDS RUNNING			397793.291776		0804
077127	CLOCK REQUEST @ RCSUPDAT							T1=36041		SECONDS RUNNING			397793.615079		3215
077251	CLOCK REQUEST @ RUPDATED							T1=36052		SECONDS RUNNING			397793.709952		5119
101602	CLOCK REQUEST @ RCGIMS							T1=36074		SECONDS RUNNING			397793.881801		0455
072410	CLOCK REQUEST @ LUNLAND							T1=36076		SECONDS RUNNING			397793.905092		8467
073437	CLOCK REQUEST @ DISPLEXIT							T1=36176		SECONDS RUNNING			397794.541194		4187
DISPLAYS =	63 06 63 +15173 -01420 +23095														397795.000000
397795.2	.74592 -	34.8	1.03	28.5 -	3.24	1.12	359.98	1.08	0.03	0.98	264	0	9969	584.8	4.08
110:29:55 -	341	1.3 -	1.01	1297.4	337.69	152.11	73.22	73.22 -	0.28	0.32 -	8 -	4	4139	6306	-901.23
LANDING -	3.904	452.7 -	4.0 -	144.1	22900	0.14	358.91 -	0.02	0.61 -	0.10 -	842	7	22084	5187	
107417	CLOCK REQUEST @ REACACCS							T1=36310		SECONDS RUNNING			397795.281084		1049
107447	CLOCK REQUEST @ PIPSDONE							T1=36310		SECONDS RUNNING			397795.282317		0944

076206	CLOCK REQUEST @ SERVICER	T1=36311	SECONDS RUNNING	397795.290403	0254
077127	CLOCK REQUEST @ POSUPDAT	T1=36352	SECONDS RUNNING	397795.622227	1938
077251	CLOCK REQUEST @ MUPDATEC	T1=36363	SECONDS RUNNING	397795.714135	4096
101632	CLOCK REQUEST @ PROGIMS	T1=36405	SECONDS RUNNING	397795.891098	8995
072410	CLOCK REQUEST @ LUNLAND	T1=36406	SECONDS RUNNING	397795.905475	7768
073427	CLOCK REQUEST @ DISPEXIT	T1=36511	SECONDS RUNNING	397796.576304	0524

DISPLAYS = 63 06 [illegible] +14900 -01427 +22832 397797.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN FPS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397797.2 174 432 -	35.4 1.2	28.6 -	3.23	1.15	0.36	1.10	0.02	0.98	267 -	1	9970	584.8	4.04
110:29:57 - 338	1.2 0.2	1469.9	337.66	161.71	72.79	72.79 -	0.36	0.21 -	3 -	4	4167	6240	-902.59
LANDING - 32305	444.2 - 4.2	- 143.8	22598	0.53	358.88	0.36	0.35	0.10 -	846	7	22017	5187	

107437	CLOCK REQUEST @ READACCS	T1=36620	SECONDS RUNNING	397797.281085	0383
107447	CLOCK REQUEST @ PIPSCONE	T1=36620	SECONDS RUNNING	397797.282318	0277
076206	CLOCK REQUEST @ SERVICER	T1=36621	SECONDS RUNNING	397797.290410	9587
077127	CLOCK REQUEST @ POSUPDAT	T1=36661	SECONDS RUNNING	397797.617810	1649
077251	CLOCK REQUEST @ MUPDATEC	T1=36672	SECONDS RUNNING	397797.708546	3906
101632	CLOCK REQUEST @ PROGIMS	T1=36714	SECONDS RUNNING	397797.883538	8973
072410	CLOCK REQUEST @ LUNLAND	T1=36716	SECONDS RUNNING	397797.903105	7303
073427	CLOCK REQUEST @ DISPEXIT	T1=37016	SECONDS RUNNING	397798.541765	2805

DISPLAYS = 63 06 [illegible] +14627 -01434 +22560 397799.000000

397799.2 1742261 -	35.9 1.7	28.2 -	3.23	1.15	0.13	1.10 -	0.00	1.09	275 -	1	9971	584.8	3.99
110:29:59 - 335	1.3 0.2	1442.3	337.63	161.40	72.45	72.45	0.17	0.10 -	2 -	5	4196	6174	-903.91
LANDING - 22128	435.9 - 4.2	- 144.2	22295	0.30	358.88	0.13 -	0.32 -	0.00 -	846	7	21951	5187	

107437	CLOCK REQUEST @ READACCS	T1=37130	SECONDS RUNNING	397799.281084	9716
107447	CLOCK REQUEST @ PIPSCONE	T1=37130	SECONDS RUNNING	397799.282316	9611
076206	CLOCK REQUEST @ SERVICER	T1=37131	SECONDS RUNNING	397799.290482	8829
077127	CLOCK REQUEST @ POSUPDAT	T1=37171	SECONDS RUNNING	397799.619179	0865

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077251    CLOCK REQUEST @ RUPDATED                    T1=37203    SECONDS RUNNING    397799.714993    2689

101632    CLOCK REQUEST @ RDGIMS                      T1=37225    SECONDS RUNNING    397799.891748    7606

072410    CLOCK REQUEST @ LUNLAND                     T1=37226    SECONDS RUNNING    397799.907528    6259

073437    CLOCK REQUEST @ LISPEXIT                    T1=37331    SECONDS RUNNING    397800.575536    9256

DISPLAYS =    63    06    63        +14353  -01439  +22248                                          397801.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, ET, NMI, SEC, DEG

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   TIME        V        A    LATVEL    LAT     YAW   BALL-R   CDUX    PRATE   ATT-X  DPPX  DGX  THRUST  RCS    APOLU
(STABLE MEMBER COORD)  FERVEL  LONG   PITCH  BALL-P   CDUY    QRATE   ATT-Y  DPPY  DGY  DELTAV  DPS    PERILU
 LANDING   VEHICLE UNITS        ALTRATE  ALT    ROLL   BALL-Y   CDUZ    PRATE   ATT-Z  DPPZ  DGZ   MASS   APS
397801.02 1742268 -  36.6   1.04   27.7 -  3.22   1.16   0.09   1.10 - 0.01   1.09   280 -  1   9971  584.8    3.94
110:30: 1 -   333    1.3    1.00 1414.7  337.60 161.14  72.16  72.16 - 0.04   0.10 -  5 -  4   4224   6108 -905.21
 LANDING - 31262  427.5 - 4.23 - 144.6   21991   0.26 358.38   0.08 - 0.35 - 0.00 - 845    7  21885   5187
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107437    CLOCK REQUEST @ REALACCS                    T1=37440    SECONDS RUNNING    397801.281084    9049

107447    CLOCK REQUEST @ PIPSDONE                    T1=37440    SECONDS RUNNING    397801.282316    8944

076206    CLOCK REQUEST @ SERVICER                    T1=37441    SECONDS RUNNING    397801.290398    8255

077127    CLOCK REQUEST @ RPSUPDAT                    T1=37501    SECONDS RUNNING    397801.618970    0216

077251    CLOCK REQUEST @ RUPDATED                    T1=37513    SECONDS RUNNING    397801.711040    2360

101632    CLOCK REQUEST @ RDGIMS                      T1=37535    SECONDS RUNNING    397801.891066    6997

072410    CLOCK REQUEST @ LUNLAND                     T1=37536    SECONDS RUNNING    397801.904575    5845

073437    CLOCK REQUEST @ LISPEXIT                    T1=37641    SECONDS RUNNING    397802.577183    8449

DISPLAYS =    63    06    63        +14079  -01442  +21998                                          397803.000000
```

```
397803.02 1742215 -  36.8   1.04   27.4 -  3.21   1.17   0.17   1.12 - 0.00   1.09   287    0   9872  584.8    3.90
110:30: 3 -   330    1.3 - 0.01 1287.1  337.57 160.89  71.82  71.88   0.05   0.10 -  3 -  4   4253   6042 -906.48
 LANDING - 30414  419.1 - 4.22 - 144.8   21687   0.35 358.87   0.17 - 0.18   0.10 - 847    7  21819   5187
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```
107437    CLOCK REQUEST @ REALACCS                    T1=37750    SECONDS RUNNING    397803.281084    8383

107447    CLOCK REQUEST @ PIPSDONE                    T1=37750    SECONDS RUNNING    397803.282316    8278

076206    CLOCK REQUEST @ SERVICE                     T1=37751    SECONDS RUNNING    397803.290398    7588

077127    CLOCK REQUEST @ RPSUPDAT                    T1=00011    SECONDS RUNNING    397803.618875    9558

077251    CLOCK REQUEST @ RUPDATED                    T1=00023    SECONDS RUNNING    397803.710426    1745

101632    CLOCK REQUEST @ RDGIMS                      T1=00045    SECONDS RUNNING    397803.893364    6135
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072410    CLOCK REQUEST @ LUNLAND                          T1=00046     SECONDS RUNNING    397803.903541    5266

073437    CLOCK REQUEST @ DISPEXIT                         T1=00146     SECONDS RUNNING    397804.543710    0639

DISPLAYS =    63    06    62          +13529  -01445  +21710                                397805.000000
```

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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   TIME        R        V        A    LATVEL     LAT     YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)  FORVEL   LONG   PITCH   BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  OPS   PERILU
 LANDING   METRIC UNITS          ALTRATE  ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  CGZ   MASS   APS
397805.2  1742141 -  37.2   1.41    26.3 -  3.20   1.17  359.98   1.12   0.00   1.09  288 -  1   9973  584.8    3.85
110:30: 5 -   327    1.3 -  .02  13594  337.55  160.89   71.86  71.86 - 0.50   0.43 -  3 -  5   4282  5976 -907.73
 LANDING - 28587   41.6 - 4.6  - 144.9   21383   0.16  356.87 -  0.02   0.00 - 0.00 - 848    7  21753  5187

107437    CLOCK REQUEST @ RSAFACCS                         T1=00260     SECONDS RUNNING    397805.281084    7716

107447    CLOCK REQUEST @ PIPSDONE                         T1=00260     SECONDS RUNNING    397805.282316    7611

076200    CLOCK REQUEST @ SERVICER                         T1=00261     SECONDS RUNNING    397805.291779    6803

077127    CLOCK REQUEST @ PCSUPDAT                         T1=00321     SECONDS RUNNING    397805.619554    8833

077251    CLOCK REQUEST @ RUPDATEC                         T1=00333     SECONDS RUNNING    397805.714849    0701

001522    CLOCK REQUEST @ RCGIMS                           T1=00355     SECONDS RUNNING    397805.892545    5538

072410    CLOCK REQUEST @ LUNLAND                          T1=00356     SECONDS RUNNING    397805.908328    4191

073437    CLOCK REQUEST @ DISPEXIT                         T1=00461     SECONDS RUNNING    397806.579013    6959

DISPLAYS =    63    06    62          +13529  -01445  +21418                                397807.000000

397807.2  1742306 -  37.5   1.4     26.0 -  3.20   1.16  359.64   1.10   0.02   1.09  294 -  1   9974  584.8    3.80
110:30: 7 -   324    1.3 -  .02  1331.7  337.52  160.28   71.24  71.23 - 0.50   0.21 -  9 -  4   4311  5910 -908.95
 LANDING - 28772   402.1 - 4.27 - 144.9   21079 -  0.17  356.88 -  0.36   0.46 - 0.43 - 849    7  21687  5187

107437    CLOCK REQUEST @ RSAFACCS                         T1=00570     SECONDS RUNNING    397807.281085    7049

107447    CLOCK REQUEST @ PIPSDONE                         T1=00570     SECONDS RUNNING    397807.282318    6944

076200    CLOCK REQUEST @ SERVICER                         T1=00571     SECONDS RUNNING    397807.290406    6254

077127    CLOCK REQUEST @ PCSUPDAT                         T1=00631     SECONDS RUNNING    397807.619949    8133

077251    CLOCK REQUEST @ RUPDATEC                         T1=00643     SECONDS RUNNING    397807.712089    0270

001522    CLOCK REQUEST @ RCGIMS                           T1=00665     SECONDS RUNNING    397807.893930    4753

072410    CLOCK REQUEST @ LUNLAND                          T1=00666     SECONDS RUNNING    397807.904105    3885

073437    CLOCK REQUEST @ DISPEXIT                         T1=00771     SECONDS RUNNING    397808.575977    6552
```

DISRLAYS = [illegible] 6[illegible] +13254 -01445 +21123 397809.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL / FERVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	RRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DRRX / DRRY / DRPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DRS / ARS	AROLU / PERILU
397809.02	1741991 - 27.07	1.52 25.07 -	3.19	1.18	0.02	1.13	0.02	1.09	303 - 1		9974	584.8	3.75
110: 0: 9 -	321 1.3	3.01 1303.9	337.50	159.94	70.86	70.86	0.01	0.10 -	6 - 4		4339	5844	-910.14
LANDING -	27174	3937.7 - 4.5 -	144.7	20775	0.21	258.86	0.03	0.41 - 0.10 -	852	7	21621	5187	

107437	CLCCK REQUEST @ REACACCS	T1=01100	SECONDS RUNNING	397809.281085	6383
107447	CLCCK REQUEST @ PIPSDONE	T1=01100	SECONDS RUNNING	397809.282318	6277
076206	CLCCK REQUEST @ SERVICER	T1=01101	SECONDS RUNNING	397809.290406	5587
077127	CLCCK REQUEST @ RESURDAT	T1=01141	SECONDS RUNNING	397809.614812	7904
077251	CLCCK REQUEST @ UPDATED	T1=01152	SECONDS RUNNING	397809.706936	0043
101632	CLCCK REQUEST @ PLGIMS	T1=01174	SECONDS RUNNING	397809.881365	5159
072410	CLCCK REQUEST @ LUNLAND	T1=01175	SECONDS RUNNING	397809.899217	3635
073437	CLCCK REQUEST @ DISPEXIT	T1=01275	SECONDS RUNNING	397810.537236	9191

DISRLAYS = 63 06 63 +12977 -01443 +20827 397811.000000

397811.02	1741915 - 38.0	1.51 25.06 -	3.18	1.20	0.37	1.14 - 0.01	1.09	306	0		9975	584.8	3.70
110:30:11 -	319 1.2	3.13 1276.1	337.47	159.94	70.83	70.83	0.15	0.32 -	3 - 5		4368	5778	-911.31
LANDING -	27198	3952.2 - 4.27 -	144.4	20473	0.56	258.85	0.37 - 0.27	0.10 -	852	7	21555	5187	

107437	CLCCK REQUEST @ REACACCS	T1=01410	SECONDS RUNNING	397811.281085	5716
107447	CLCCK REQUEST @ PIPSDONE	T1=01410	SECONDS RUNNING	397811.282318	5611
076206	CLCCK REQUEST @ SERVICER	T1=01411	SECONDS RUNNING	397811.291492	4828
077127	CLCCK REQUEST @ RESURDAT	T1=01452	SECONDS RUNNING	397811.620838	6724
077251	CLCCK REQUEST @ UPDATED	T1=01463	SECONDS RUNNING	397811.715615	8636
101632	CLCCK REQUEST @ PLGIMS	T1=01505	SECONDS RUNNING	397811.891944	3589
072410	CLCCK REQUEST @ LUNLAND	T1=01506	SECONDS RUNNING	397811.908961	2137
073437	CLCCK REQUEST @ DISPEXIT	T1=01612	SECONDS RUNNING	397812.581931	4710

DISRLAYS = 63 06 3 +12700 -01433 +20530 397813.000000

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397813.2  174183.9 -  33.1   1.58    25.1 -  3.18    1.20    0.19    1.14 - 0.03   1.09   311 -  1   9976  584.8    3.65
110:30:13 -   316    1.03   .003  124.2  337.45  159.36   70.26    0.26 - 0.15   0.10 -   1 -  4   4397   5711 -912.44
  LANDING -  26434   376.7 - 4.26 - 143.9   20171   0.39   356.85    0.19 - 0.62   0.10 - 852    7  21489   5187

    107437    CLOCK REQUEST @ READACCS                          T1=01720    SECONDS RUNNING    397813.281085    5049

    107447    CLOCK REQUEST @ PIPSDONE                          T1=01720    SECONDS RUNNING    397813.282318    4944

    076200    CLOCK REQUEST @ SERVICER                          T1=01721    SECONDS RUNNING    397813.290406    4254

    077127    CLOCK REQUEST @ POSUPDAT                          T1=01762    SECONDS RUNNING    397813.624351    5757

    077251    CLOCK REQUEST @ RUPDATED                          T1=01773    SECONDS RUNNING    397813.715718    7960

    101632    CLOCK REQUEST @ RDGIMS                            T1=02015    SECONDS RUNNING    397813.891066    2997

    072410    CLOCK REQUEST @ LUNLAND                           T1=02016    SECONDS RUNNING    397813.908344    1523

    072437    CLOCK REQUEST @ DISPEXIT                          T1=02122    SECONDS RUNNING    397814.582330    4010

DISPLAYS =    63    06    63          +12423  -01435  +20236                                                397815.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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   TIME        R          V          A     LATVEL     LAT    YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)                    FERVEL    LONG  PITCH   BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS              ALTRATE     ALT   ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397815.2  174182 -  38.7   1.59    24.3 -  3.17    1.19   359.80    1.13 - 0.00   1.09   321 -  1   9977  584.8    3.60
110:30:15 -   315    1.01 - .004  122.4  337.42  159.19   70.04   70.03 - 0.09   0.21 -   5 -  5   4426   5645 -913.55
  LANDING -  25652   368.2 - 4.25 - 143.2   19567 - 0.00   356.86 - 0.19 - 0.18 - 0.10 - 852    7  21423   5187

    107437    CLOCK REQUEST @ READACCS                          T1=02230    SECONDS RUNNING    397815.281084    4383

    107447    CLOCK REQUEST @ PIPSDONE                          T1=02230    SECONDS RUNNING    397815.282316    4277

    076200    CLOCK REQUEST @ SERVICER                          T1=02231    SECONDS RUNNING    397815.290401    3588

    077127    CLOCK REQUEST @ POSUPDAT                          T1=02272    SECONDS RUNNING    397815.621435    5339

    077251    CLOCK REQUEST @ RUPDATED                          T1=02303    SECONDS RUNNING    397815.712407    7576

    101632    CLOCK REQUEST @ RDGIMS                            T1=02325    SECONDS RUNNING    397815.891053    2332

    072410    CLOCK REQUEST @ LUNLAND                           T1=02326    SECONDS RUNNING    397815.906500    1014

    072437    CLOCK REQUEST @ DISPEXIT                          T1=02431    SECONDS RUNNING    397816.577527    3753

DISPLAYS =    63    06    63          +12146  -01438  +19541                                                397817.000000

397817.2  174186 -  38.3   1.58    23.1 -  3.17    1.21   359.92    1.14   0.02   1.09   321 -  1   9977  584.8    3.55
110:30:17 -   311    1.03 - 0.02  119.2.5 337.40  159.25   70.07   70.07 - 0.42   0.65 -   8 -  4   4456   5579 -914.64
  LANDING -  25657   359.6 - 4.29 - 142.5   19580   0.12   356.85 - 0.07 - 0.07 - 0.21 - 855    7  21356   5187
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107437	CLOCK REQUEST @ READACCS	T1=02540	SECONDS RUNNING	397817.281085	3716
107447	CLOCK REQUEST @ PIPSDONE	T1=02540	SECONDS RUNNING	397817.282319	3611
076206	CLOCK REQUEST @ SERVICER	T1=02541	SECONDS RUNNING	397817.291796	2802
077127	CLOCK REQUEST @ POSUPDAT	T1=02602	SECONDS RUNNING	397817.621205	4692
077251	CLOCK REQUEST @ RUPDATED	T1=02613	SECONDS RUNNING	397817.715253	6667
[illegible]	CLOCK REQUEST @ RECIMS	T1=02635	SECONDS RUNNING	397817.892448	1546
072410	CLOCK REQUEST @ LUNLAND	T1=02636	SECONDS RUNNING	397917.908941	0139
073407	CLOCK REQUEST @ DISPEXIT	T1=02741	SECONDS RUNNING	397818.579604	2909

DISPLAYS = [illegible] 06 [illegible] +11868 -01421 +19645 397819.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL / FCPVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	RRATE / CRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DFS / APS	APOLU / PERILU
397819.	174161[illegible] -	38.3	1.6[illegible]	23. -	3.16	1.23	[illegible].43	1.16	0.03	1.09	325 -	1	9978	584.8	3.50
11[illegible]:0:1 -	317	1.3	[illegible]	1164.[illegible]	337.28	158.68	69.48	69.48 -	0.54	0.54 -	3 -	4	4485	5513	-915.70
LANDING -	2[illegible]249	351.1 -	4.31 -	141.7	19287	0.63	356.83	0.42	0.71 -	0.00 -	857	7	21290	5187	
107437	CLOCK REQUEST @ READACCS							T1=03050	SECONDS RUNNING				397819.281085	3049
107447	CLOCK REQUEST @ PIPSDONE							T1=03050	SECONDS RUNNING				397819.282320	2944
076206	CLOCK REQUEST @ SERVICER							T1=03051	SECONDS RUNNING				397819.290415	2253
077127	CLOCK REQUEST @ POSUPDAT							T1=03111	SECONDS RUNNING				397819.617247	4363
077251	CLOCK REQUEST @ RUPDATED							T1=03122	SECONDS RUNNING				397819.709539	6488
101632	CLOCK REQUEST @ RECIMS							T1=03144	SECONDS RUNNING				397819.883987	1602
072410	CLOCK REQUEST @ LUNLAND							T1=03146	SECONDS RUNNING				397819.903553	9932
073407	CLOCK REQUEST @ DISPEXIT							T1=03251	SECONDS RUNNING				397820.578573	2330

DISPLAYS = 43 06 [illegible] +1158[illegible] -01413 +19349 397821.000000

397821.[illegible]	174153 -	38.2	1.71	23.8 -	3.15	1.25	0.71	1.17	0.00	1.09	338	0	9979	584.8	3.44
11[illegible]:30:2[illegible] -	304	1.4	1.36	1136.5	337.35	157.82	68.59	68.59 -	0.10	0.10	3 -	5	4514	5447	-916.73
LANDING -	2[illegible]59	347.5 -	4.[illegible] -	140.5	18588	0.93	358.81	0.70 -	0.04	0.43 -	856	7	21224	5187	
107437	CLOCK REQUEST @ READACCS							T1=03360	SECONDS RUNNING				397821.281084	2383

107447	CLOCK REQUEST 3 PIPSCONE	T1=03360	SECONDS RUNNING	397821.282317	2277
076206	CLOCK REQUEST [illegible] SERVICER	T1=03361	SECONDS RUNNING	397821.290403	1587
077127	CLOCK REQUEST 3 POSUPDAT	T1=03421	SECONDS RUNNING	397821.618665	3576
077[illegible]	CLOCK REQUEST [illegible] RUPLATEC	T1=03433	SECONDS RUNNING	397821.711436	5659
101[illegible]	CLOCK REQUEST 3 RDGIMS	T1=03455	SECONDS RUNNING	397821.891050	0332
072[illegible]	CLOCK REQUEST 3 LUNLAND	T1=03456	SECONDS RUNNING	397821.905050	9138
073437	CLOCK REQUEST 3 DISPEXIT	T1=03561	SECONDS RUNNING	397822.578689	1654
DISPLAYS =	63 06 6[illegible] +11310 -01401 +19055				397823.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC	UNITS		FORVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	DPS APS	PERILU
397823.2	1741457 -	3[illegible]	1[illegible]	21.8 -	3.15	1.18	6.21	1.09 -	0.14	1.09	349 -	1	9980	584.8	3.39
110:30:22 -	300	1.4	0.01	1108.6	337.33	157.62	58.37	68.37	0.41	0.10	2 -	4	4543	5381	-917.73
LANDING -	22879	3340 -	4.28 -	135.0	18691	0.45	358.90	0.21 -	0.94	0.32 -	855	7	21158	5187	

107437	CLOCK REQUEST 3 LADACCS	T1=03670	SECONDS RUNNING	397823.281086	1716
107447	CLOCK REQUEST 3 PIPSCONE	T1=03670	SECONDS RUNNING	397823.282320	1611
076206	CLOCK REQUEST 3 SERVICER	T1=03671	SECONDS RUNNING	397823.291501	0827
077127	CLOCK REQUEST 3 POSUPDAT	T1=03731	SECONDS RUNNING	397823.619173	2866
077[illegible]	CLOCK REQUEST 3 RUPLATEC	T1=03743	SECONDS RUNNING	397823.714293	4749
101[illegible]	CLOCK REQUEST 3 RDGIMS	T1=03765	SECONDS RUNNING	397823.891744	9606
072[illegible]	CLOCK REQUEST 3 LUNLAND	T1=03766	SECONDS RUNNING	397823.907240	8284
073437	CLOCK REQUEST 3 DISPEXIT	T1=04071	SECONDS RUNNING	397824.578737	0983
DISPLAYS =	63 06 [illegible] +11031 -01386 +18762				397825.000000

397825.2	1741381 -	3[illegible]7	1.71	16.4 -	3.14	0.92	359.17	0.83 -	0.14	0.87	350 -	1	9980	584.8	3.34
110:30:[illegible] -	297	1.4 -	1.[illegible]	1080.8	337.31	157.67	66.41	68.40 -	0.19	0.54 -	11 -	5	4573	5315	-918.71
LANDING -	22223	325.5 -	4.[illegible] -	137.5	18390 -	0.59	359.15 -	0.82 -	0.86 -	0.32 -	856	7	21092	5187	

107437	CLOCK REQUEST 3 LADACCS	T1=04200	SECONDS RUNNING	397825.281086	1049
107447	CLOCK REQUEST 3 PIPSCONE	T1=04200	SECONDS RUNNING	397825.282320	0944
076206	CLOCK REQUEST 3 SERVICER	T1=04201	SECONDS RUNNING	397825.290416	0253

077[illegible]	CLOCK REQUEST @ FLSUPDAT	T1=04242	SECONDS RUNNING	397825.623703	1813
077[illegible]	CLOCK REQUEST @ RUPDATED	T1=04253	SECONDS RUNNING	397825.716857	3863
101632	CLOCK REQUEST @ RECINS	T1=04275	SECONDS RUNNING	397825.891053	8999
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=04276	SECONDS RUNNING	397825.909275	7444
073427	CLOCK REQUEST @ DISPEXIT	T1=04402	SECONDS RUNNING	397826.583779	9886
DISPLAYS =	63 06 63 +10752 -01371 +18469				397827.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	A	LATVEL	LAT	YAW	BALL-R	COUX	RRATE	ATT-X	DRPX	DGX	THRUST	RCS	APOLU
	METRIC UNITS		FORVEL	LONG	PITCH	BALL-P	COUY	PRATE	ATT-Y	DRPY	DGY	DELTAV	DPS	PERILU
LANDING			ALTRATE	ALT	ROLL	BALL-Y	COUZ	YRATE	ATT-Z	DRPZ	DGZ	MASS	APS	
397827.0[illegible]	174[illegible]05 -	37.4	1.7[illegible]	10.4 -	3.14	0.66	356.72	0.58 -	0.09	0.54	358 -	1	9981	584.8	3.28
110:30:27 -	294	1.2 -	0.1[illegible]	1052.9	337.29	156.93	67.65	67.64 -	0.70	0.21 -	22 -	4	4602	5248	-919.65
LANDING -	157[illegible]	51[illegible].9 -	4.2[illegible] -	135.8	181.08 -	1.06	359.41 -	1.27	0.31 -	1.20 -	855	7	21026	5187	
107437	CLOCK REQUEST @ READACCS							T1=04510	SECONDS RUNNING				397827.281086		0382
107447	CLOCK REQUEST @ PIPSDONE							T1=04510	SECONDS RUNNING				397827.282320		0277
076206	CLOCK REQUEST @ SERVICER							T1=04511	SECONDS RUNNING				397827.290418		9586
077127	CLOCK REQUEST @ FLSUPDAT							T1=04551	SECONDS RUNNING				397827.618140		1621
077251	CLOCK REQUEST @ RUPDATED							T1=04562	SECONDS RUNNING				397827.709326		3839
101632	CLOCK REQUEST @ RECINS							T1=04604	SECONDS RUNNING				397827.882080		9098
07241[illegible]	CLOCK REQUEST @ LUNLAND							T1=04606	SECONDS RUNNING				397827.901640		7428
073427	CLOCK REQUEST @ DISPEXIT							T1=04706	SECONDS RUNNING				397828.541352		2840
DISPLAYS =	63 06 63 +10472 -01353 +18179														397829.000000
397829.0[illegible]	174[illegible]231 -	37.0	1.[illegible]	6.4 -	3.13	0.46	359.62	0.39 -	0.05	0.32	368	0	9982	584.8	3.23
110:30:29 -	292	1.0 -	0.0[illegible]	1024.9	337.27	156.40	67.10	67.09 -	0.48	0.10 -	20 -	5	4631	5182	-920.58
LANDING -	20956	108.4 -	4.2[illegible] -	133.8	17821 -	0.18	359.60 -	0.37	1.15 -	0.76 -	856	7	20959	5187	
107437	CLOCK REQUEST @ READACCS							T1=05020	SECONDS RUNNING				397829.281086		9716
107447	CLOCK REQUEST @ PIPSDONE							T1=05020	SECONDS RUNNING				397829.282322		9610
076206	CLOCK REQUEST @ SERVICER							T1=05021	SECONDS RUNNING				397829.291808		8801
077127	CLOCK REQUEST @ FLSUPDAT							T1=05061	SECONDS RUNNING				397829.618319		0939
077251	CLOCK REQUEST @ RUPDATED							T1=05073	SECONDS RUNNING				397829.712690		2886

1016[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=05115	SECONDS RUNNING	397829.892564	7536
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=05116	SECONDS RUNNING	397829.906611	6338
0734[illegible]	CLOCK REQUEST @ DISPEXIT	T1=05221	SECONDS RUNNING	397830.576326	9189

DISPLAYS = [illegible] 06 6[illegible] +10192 -01333 +17894 397831.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397831.2	1741157 -	36.6	1.87	3.3 -	3.13	0.29	0.86	0.21 -	0.07	0.10	374 -	1	9983	584.8	3.18
110:40:31 -	289	16	0	996.9	337.25	156.30	66.97	66.97	0.14	0.10 -	2 -	4	4661	5116	-921.47
LANDING -	20345	299.8 -	4.33 -	131.0	1753	1.06	359.77	0.85	0.81 -	0.00 -	858	7	20893	5187	

107437	CLOCK REQUEST @ READACCS	T1=05330	SECONDS RUNNING	397831.281085	9049
107447	CLOCK REQUEST @ PIPSCONE	T1=05330	SECONDS RUNNING	397831.282319	8944
076[illegible]	CLOCK REQUEST @ SERVICER	T1=05331	SECONDS RUNNING	397831.290412	8253
077127	CLOCK REQUEST @ POSUPDAT	T1=05372	SECONDS RUNNING	397831.622797	9890
077[illegible]	CLOCK REQUEST @ RUPDATED	T1=05403	SECONDS RUNNING	397831.714905	2030
1[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=05425	SECONDS RUNNING	397831.891062	6958
07241	CLOCK REQUEST @ LUNLAND	T1=05426	SECONDS RUNNING	397831.908447	5514
0734[illegible]	CLOCK REQUEST @ DISPEXIT	T1=05532	SECONDS RUNNING	397832.583879	7877

DISPLAYS = [illegible] 06 6[illegible] +09911 -01211 +17610 397833.000000

SNAPSHOT 397833 SECONDS RUNNING 397833.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE NUMBER COORD)	V	LATVEL	LAT	YAW	BALL-R	CDUX	PPATE	ATT-X	DPPX	DGX	THRUST	RCS	APDLU
LANDING	METRIC UNITS		FCRVEL ALTRATE	LONG ALT	PITCH RCLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	DPS APS	PERILU
397833.2	1741084 - [illegible]	[illegible]	0.3 - 3.12	1.11	1.42	0.02 - 0.12 - 0.00			348 - 1			6747	584.8	3.13
110:30:33 -	288	1.2	0.8	570.9	337.23	156.05	66.70	66.70 - 0.00		0.21	11 - 4	4688	5055	-922.28
LANDING -	1751	292.0 - 2.42 - 130.2		17272	1.65	359.97	1.42 - 0.07			0.76 - 795	7	20832	5187	

107437	CLOCK REQUEST @ READACCS	T1=05640	SECONDS RUNNING	397833.281041	8386
107447	CLOCK REQUEST @ PIPSCONE	T1=05640	SECONDS RUNNING	397833.282224	8285
076206	CLOCK REQUEST @ SERVICER	T1=05640	SECONDS RUNNING	397833.289987	7623
077127	CLOCK REQUEST @ RCSUPDAT	T1=05700	SECONDS RUNNING	397833.603953	0831
077251	CLOCK REQUEST @ RUPDATED	T1=05711	SECONDS RUNNING	397833.696178	2961
101[illegible]32	CLOCK REQUEST @ RCGIMS	T1=05733	SECONDS RUNNING	397833.871130	8032
072410	CLOCK REQUEST @ LUNLAND	T1=05734	SECONDS RUNNING	397833.889452	6469
073437	CLOCK REQUEST @ DISPEXIT	T1=06033	SECONDS RUNNING	397834.515831	3018

DISPLAYS = 63 06 62 +09652 -01298 +17329 397835.000000

397835.2	1741 11 -	37.2	1.1 -	2.9 -	3.12 -	0.09	1.24 -	0.19 - 0.10 - 0.10		239 - 1		5705	584.8	3.09
110:30:35 -	295	1.3	0.06	953.6	337.21	155.48	36.12	66.11	0.02	0.10	6 - 4	4707	5015	-922.80
LANDING -	19182	28.6 - 2.47 - 132.7			16969	1.49	0.19	1.24 - 0.05		0.98 - 528	7	20752	5187	

107437	CLOCK REQUEST @ READACCS	T1=06150	SECONDS RUNNING	397835.281041	7720
107447	CLOCK REQUEST @ PIPSCONE	T1=06150	SECONDS RUNNING	397835.282224	7619
076206	CLOCK REQUEST @ SERVICER	T1=06151	SECONDS RUNNING	397835.291027	6867
VELOCITY DATA GOOD BIT CHANGED TO 1 AT T = 397835.42					
077127	CLOCK REQUEST @ RCSUPDAT	T1=06210	SECONDS RUNNING	397835.607310	9878
077251	CLOCK REQUEST @ RUPDATED	T1=06222	SECONDS RUNNING	397835.701898	1806
101[illegible]32	CLOCK REQUEST @ RCGIMS	T1=06244	SECONDS RUNNING	397835.881048	6519
072410	CLOCK REQUEST @ LUNLAND	T1=06245	SECONDS RUNNING	397835.894496	5371
073437	CLOCK REQUEST @ DISPEXIT	T1=06343	SECONDS RUNNING	397836.518412	2131

DISPLAYS = 63 06 62 +09485 -01322 +17045 397837.000000

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397827.2  174[illegible]935 -  35.[illegible] -  1.[illegible] -  6.8 -  3.11 -  0.33   0.60 -  0.45 - 0.08 - 0.32   224 -  1   5656  584.8    3.06
110:30:37 -   292    1.4  [illegible]  937.7  337.19  159.16  65.77   65.77 - 0.30   0.21    1 -  3   4723  4977 -923.28
  LANDING -  18517  281.8 - 2.45 - 13[illegible].6   16671   0.87   0.44   0.60   0.14   0.54 - 486    5  20755  5187

  107437   CLOCK REQUEST & READACCS                          T1=06460   SECONDS RUNNING   397837.281041   7053

  107447   CLOCK REQUEST & PIPSDONE                          T1=06460   SECONDS RUNNING   397837.282224   6952

  076 CC   CLOCK REQUEST & SERVICER                          T1=06460   SECONDS RUNNING   397837.289985   6290

  077127   CLOCK REQUEST & POSUPDAT                          T1=06520   SECONDS RUNNING   397837.605226   5389

  077251   CLOCK REQUEST & RUPDATEC                          T1=06531   SECONDS RUNNING   397837.696349   1613

  101632   CLOCK REQUEST & ROGIMS                            T1=06553   SECONDS RUNNING   397837.871058   6705

  072410   CLOCK REQUEST & LUNLANC                           T1=06554   SECONDS RUNNING   397837.888774   5193

  073437   CLOCK REQUEST & DISPEXIT                          T1=06653   SECONDS RUNNING   397838.512513   1967

DISPLAYS =    3    06    63          +09331  -01351  +16757                                                397839.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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   TIME        R          V          A    LATVEL    LAT      YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
 (STABLE MEMBER CCC CSM)  FORVEL   LONG   PITCH   BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
LANDING        METRIC UNITS        ALTRATE  ALT     ROLL   BALL-Y   CDUZ   RATE   ATT-Z  DPPZ  DGZ   MASS   APS

397835.2  174[illegible]357 -  3.[illegible]3   1.1[illegible] -  11.0 -  3.11 -  0.60  359.72 -  0.72 - 0.08 - 0.54   229    0   5791  584.8    3.03
110:30:35 -   289    1.4 - 0.01   921.[illegible]  337.18  154.71  65.30   65.30 - 0.62   0.32 -   4 -  2   4740  4940 -923.74
  LANDING -  18156  276.9 - 2.49 - 138.4   16373 -  0.00   0.71 -  0.77   0.22 - 0.00 - 488    5  20717  5187

  107437   CLOCK REQUEST & READACCS                          T1=06770   SECONDS RUNNING   397839.281041   6386

  107447   CLOCK REQUEST & PIPSDONE                          T1=06770   SECONDS RUNNING   397839.282224   6285

  076CC    CLOCK REQUEST & SERVICER                          T1=06770   SECONDS RUNNING   397839.289986   5623

  077127   CLOCK REQUEST & POSUPDAT                          T1=07030   SECONDS RUNNING   397839.606967   8574

  077251   CLOCK REQUEST & RUPDATEC                          T1=07041   SECONDS RUNNING   397839.698203   0788

  101632   CLOCK REQUEST & ROGIMS                            T1=07063   SECONDS RUNNING   397839.871043   6039

  072410   CLOCK REQUEST & LUNLANC                           T1=07065   SECONDS RUNNING   397839.891803   4268

  073437   CLOCK REQUEST & DISPEXIT                          T1=07163   SECONDS RUNNING   397840.518020   0831

DISPLAYS =    63    06    63          + 9178  -01373  +16457                                                397841.000000

397841.2  174 77[illegible] -  4.[illegible]2   1.1[illegible] -  15.1 -  3.10 -  0.86  359.1[illegible] -  0.97 - 0.09 - 0.76   238 -  1   5827  584.8    2.99
110:30:41 -   28[illegible]    1.[illegible] -  1.[illegible]5   [illegible]05.8  337.16  154.30  64.87   64.87 - 0.67   0.32 -  10 -  3   4758  4901 -924.21
  LANDING -  17510  271.9 - 2.69 - 140.9   16052 -  0.63   0.58 -  0.90   0.43 - 0.65 - 496    5  20679  5187
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107437	CLOCK REQUEST @ FREADACCS	T1=07300	SECONDS RUNNING	397841.281041	5720
107447	CLOCK REQUEST @ PIPSDONE	T1=07300	SECONDS RUNNING	397841.282225	5619
076206	CLOCK REQUEST @ SERVICER	T1=07301	SECONDS RUNNING	397841.291319	4843
077127	CLOCK REQUEST @ RCSUPDAT	T1=07340	SECONDS RUNNING	397841.608372	7787
077251	CLOCK REQUEST @ PUPDATED	T1=07352	SECONDS RUNNING	397841.702393	9764
077257	CLOCK REQUEST @ VELUPDAT	T1=07352	SECONDS RUNNING	397841.703008	9712
077455	CLOCK REQUEST @ VUPDATED	T1=07366	SECONDS RUNNING	397841.822070	9552
101632	CLOCK REQUEST @ R_GIMS	T1=07410	SECONDS RUNNING	397842.001073	4277
07241C	CLOCK REQUEST @ LUNLAND	T1=0741D	SECONDS RUNNING	397842.009191	3584
073437	CLOCK REQUEST @ DISPEXIT	T1=07506	SECONDS RUNNING	397842.629904	0617

DISPLAYS = 63 06 63 +09021 -01404 +16157 397843.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	PALL-F	CDUX	PRATE	ATT-X	DPPX	OGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			RDRVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	OGY	DELTAV	DPS	PERILU
				ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	OGZ	MASS	APS	
397843.2	1740657 -	41.0	1.21 -	16.1 -	3.10 -	0.93	359.53 -	1.05	0.01 -	0.98	245 -	1	5852	584.8	2.96
110:30:42 -	282	1.2 -	0.09	856.2	337.14	153.93	64.48	64.48 -	0.64	0.21 -	10 -	2	4775	4863	-924.67
LANDING -	1[illegible]	267.0 -	2.41 -	143.2	15773 -	0.21	1.05 -	0.47	0.56 -	0.43 -	498	5	2064D	5187	

107437	CLOCK REQUEST @ FREADACCS	T1=07610	SECONDS RUNNING	397843.281041	5053
107447	CLOCK REQUEST @ PIPSDONE	T1=07610	SECONDS RUNNING	397843.282225	4952
076206	CLOCK REQUEST @ SERVICER	T1=07610	SECONDS RUNNING	397843.289993	4289
077127	CLOCK REQUEST @ RCSUPDAT	T1=07650	SECONDS RUNNING	397843.606748	7259
077251	CLOCK REQUEST @ PUPDATED	T1=07661	SECONDS RUNNING	397843.698214	9454
077257	CLOCK REQUEST @ VELUPDAT	T1=07661	SECONDS RUNNING	397843.698830	9402
077455	CLOCK REQUEST @ VUPDATED	T1=07676	SECONDS RUNNING	397843.821725	8915
101632	CLOCK REQUEST @ RCGIMS	T1=07720	SECONDS RUNNING	397844.002258	3509
07241C	CLOCK REQUEST @ LUNLAND	T1=07720	SECONDS RUNNING	397844.004472	3320
073437	CLOCK REQUEST @ DISPEXIT	T1=10016	SECONDS RUNNING	397844.625837	0297

DISPLAYS = 3 06 6 +8865 -01426 +15857 397845.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COLUMN)	V	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APDLU
LANDING	METRIC UNITS		FCRVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397845.2	174514 -	41.8	1.63 -	14.7 -	3.09 -	0.85	0.50 -	0.57 -	0.00 -	0.87	251	0	5867	584.8	2.92
110:30:45 -	279	1.3	.00	872.9	337.12	153.31	62.86	63.65 -	0.60 -	0.00 -	3 -	2	4762	4824	-925.11
LANDING -	16442	6.00 -	2.47 -	145.3	15484	.76	0.97	0.50	0.17	0.32 -	497	5	20601	5187	

107437	CLOCK REQUEST @ EACACCS	T1=10120	SECONDS RUNNING	397845.281041	4386
107447	CLOCK REQUEST @ PIPSDONE	T1=10120	SECONDS RUNNING	397845.282225	4285
076200	CLOCK REQUEST @ SERVICER	T1=10120	SECONDS RUNNING	397845.289992	3622
077127	CLOCK REQUEST @ PCSUPDAT	T1=10160	SECONDS RUNNING	397845.606215	6638
077251	CLOCK REQUEST @ FUPDATED	T1=10171	SECONDS RUNNING	397845.659861	8647
077257	CLOCK REQUEST @ VELUPDAT	T1=10172	SECONDS RUNNING	397845.701708	8489
077455	CLOCK REQUEST @ VUPDATED	T1=10206	SECONDS RUNNING	397845.826735	7820
101632	CLOCK REQUEST @ RDGIMS	T1=10230	SECONDS RUNNING	397846.001052	2945
07241	CLOCK REQUEST @ LUNLAND	T1=10231	SECONDS RUNNING	397846.017253	1563
073427	CLOCK REQUEST @ DISPEXIT	T1=10330	SECONDS RUNNING	397846.642589	8201

DISPLAYS = 03 06 63 +08765 -01447 +15559 397847.000000

397847.2	174525 -	42.5	1.22 -	13.9 -	3.09 -	0.82	1.30 -	0.95 -	0.03 -	0.87	253 -	1	5868	584.6	2.88
110:30:47 -	276	1.3	.00	856.5	337.11	153.60	64.13	64.12	0.54	0.10 -	1 -	2	4810	4786	-925.56
LANDING -	15920	257.0 -	2.49 -	147.3	15215	0.57	0.95	0.30 -	0.96	0.43 -	502	5	20563	5187	

107437	CLOCK REQUEST @ EACACCS	T1=10430	SECONDS RUNNING	397847.281042	3720
107447	CLOCK REQUEST @ PIPSDONE	T1=10430	SECONDS RUNNING	397847.282227	3618
076200	CLOCK REQUEST @ SERVICER	T1=10431	SECONDS RUNNING	397847.291041	2866
077127	CLOCK REQUEST @ PCSUPDAT	T1=10470	SECONDS RUNNING	397847.601600	6365
077251	CLOCK REQUEST @ FUPDATED	T1=10502	SECONDS RUNNING	397847.701782	7816
077257	CLOCK REQUEST @ VELUPDAT	T1=10502	SECONDS RUNNING	397847.702397	7764
077455	CLOCK REQUEST @ VUPDATED	T1=10515	SECONDS RUNNING	397847.815258	8133
101632	CLOCK REQUEST @ RDGIMS	T1=10537	SECONDS RUNNING	397847.991546	3090

DISPLAYS = 03 06 63 +08700 -01447 +15559 397848.000002

072410	CLOCK REQUEST @ LUNLAND	T1=10540	SECONDS RUNNING	397848.001977	2200
072437	CLOCK REQUEST @ DISPEXIT	T1=10636	SECONDS RUNNING	397848.626614	8897

DISPLAYS = 63 06 63 +08550 -01467 +15266 397849.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS		ALTRATE	ALT	RCLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	PERILU
397849.2	670443 -	43.3	16.1 -	13.5 -	3.08 -	0.81	355.58	- 0.94	- 0.01	- 0.87	251 -	1	5864	584.6	2.84
110:30:49 -	272	1.3	0.02	840.1	337.09	154.28	64.78	64.78	0.42	0.98 -	5 -	3	4827	4747	-925.99
LANDING -	15414	252.	2.4 -	149.5	1494. -	0.13	0.94	- 0.41	- 0.99	- 0.00 -	502	5	20524	5187	

107437	CLOCK REQUEST @ READACCS	T1=10740	SECONDS RUNNING	397849.281041	3053
107447	CLOCK REQUEST @ PIPSDONE	T1=10740	SECONDS RUNNING	397849.282225	2952
076200	CLOCK REQUEST @ SERVICER	T1=10740	SECONDS RUNNING	397849.289993	2289
077127	CLOCK REQUEST @ POSUPDAT	T1=11000	SECONDS RUNNING	397849.605614	5356
077251	CLOCK REQUEST @ VUPDATED	T1=11012	SECONDS RUNNING	397849.703320	7018
077257	CLOCK REQUEST @ VELUPDAT	T1=11012	SECONDS RUNNING	397849.703936	6966
077458	CLOCK REQUEST @ VUPDATED	T1=11025	SECONDS RUNNING	397849.819819	7077
101632	CLOCK REQUEST @ [illegible]GINS	T1=11050	SECONDS RUNNING	397850.001941	1536
072410	CLOCK REQUEST @ LUNLAND	T1=11050	SECONDS RUNNING	397850.004157	1347
073437	CLOCK REQUEST @ DISPEXIT	T1=11146	SECONDS RUNNING	397850.626831	8212

DISPLAYS = 63 06 63 +08392 -01499 +14977 397851.000000

397851.2	1740356 -	44.0	16.9 -	12.5 -	3.08 -	0.76	0.39	- 0.90	0.02 -	0.76	257 -	1	5894	584.5	2.80
110:30:51 -	274	1.3	0.02	823.9	337.09	152.49	62.99	62.98 -	0.66 -	0.10 -	3 -	2	4844	4708	-926.42
LANDING -	14912	247.0	2.4 -	151.4	14679	0.67	0.9	0.39	0.02	0.32 -	497	6	20485	5187	

107437	CLOCK REQUEST @ READACCS	T1=11250	SECONDS RUNNING	397851.281057	2385
107447	CLOCK REQUEST @ PIPSDONE	T1=11250	SECONDS RUNNING	397851.282240	2284
076200	CLOCK REQUEST @ SERVICER	T1=11251	SECONDS RUNNING	397851.293281	1342
077127	CLOCK REQUEST @ POSUPDAT	T1=11307	SECONDS RUNNING	397851.599902	5177
077251	CLOCK REQUEST @ VUPDATED	T1=11321	SECONDS RUNNING	397851.697434	6854
077257	CLOCK REQUEST @ VELUPDAT	T1=11321	SECONDS RUNNING	397851.698050	6802

07745[illegible]	CLOCK REQUEST @ VUPDATEL	T1=11335	SECONDS RUNNING	397851.814444	6869
1[illegible]1628	CLOCK REQUEST @ [illegible]GIMS	T1=11357	SECONDS RUNNING	397851.991076	1797
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=11360	SECONDS RUNNING	397852.005364	0577
07344[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=11460	SECONDS RUNNING	397852.642048	6247

DISPLAYS = 63 06 63 +08235 -01507 +14690 397853.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	G	V	A	LATVEL	LAT	YAW	BALL-R	COLX	PRATE	ATT-X	OPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	OPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397853.0[illegible]	174[illegible]2.7 -	44.6	1.34 -	11.7 -	3.07 -	0.71	0.71 -	0.86	0.00 -	0.76	268	0	5938	584.3	2.76
110:30:5[illegible] -	271	1.3	0.04	807.5	337.06	151.60	62.08	62.08	0.80 -	1.20 -	4 -	3	4862	4669	-926.83
LANDING -	14426	242.0 -	2.51 -	153.0	14405	0.99	0.85	0.71 -	0.51	0.87 -	502	5	20446	5187	

1074[illegible]7	CLOCK REQUEST @ REALACCS	T1=11560	SECONDS RUNNING	397853.281042	1720
107447	CLOCK REQUEST @ PIPSCONE	T1=11560	SECONDS RUNNING	397853.282226	1619
1[illegible]6[illegible]6	CLOCK REQUEST @ SERVICER	T1=11561	SECONDS RUNNING	397853.291321	0842
0771[illegible]7	CLOCK REQUEST @ PLSUPLAT	T1=11620	SECONDS RUNNING	397853.607724	3843
07725[illegible]	CLOCK REQUEST @ PUPDATED	T1=11632	SECONDS RUNNING	397853.702550	5751
077[illegible]57	CLOCK REQUEST @ VELUPDAT	T1=11632	SECONDS RUNNING	397853.703166	5698
077[illegible]5[illegible]	CLOCK REQUEST @ VUPDATED	T1=11646	SECONDS RUNNING	397853.823226	5453

DISPLAYS = 63 06 63 +08235 -01507 +14690 397854.000022

1[illegible]16[illegible]	CLOCK REQUEST @ RCGIMS	T1=11670	SECONDS RUNNING	397854.001064	0278
07241	CLOCK REQUEST @ LUNLAND	T1=11671	SECONDS RUNNING	397854.010442	9477
073447	CLOCK REQUEST @ DISPEXIT	T1=11767	SECONDS RUNNING	397854.634342	6238

DISPLAYS = 63 06 63 +08077 -01523 +14402 397855.000000

397855.0[illegible]	174[illegible]177 -	45.2	1.31 -	11.4 -	3.07 -	0.71	355.83 -	0.85	0.01 -	0.76	269 -	1	5901	584.3	2.71
110:30:55 -	2[illegible]5	1.[illegible] -	0.00	791.1	337.04	152.50	62.96	62.96	0.73 -	0.54 -	5 -	2	4880	4630	-927.24
LANDING -	13944	237.0 -	2.6[illegible] -	154.6	14127	0.12	0.85	0.17 -	0.25 -	0.00 -	502	5	20407	5187	

1074[illegible]7	CLOCK REQUEST @ REALACCS	T1=12070	SECONDS RUNNING	397855.281042	1053
107447	CLOCK REQUEST @ PIPSCONE	T1=12070	SECONDS RUNNING	397855.282226	0952
07[illegible]6	CLOCK REQUEST @ SERVICER	T1=12070	SECONDS RUNNING	397855.289994	0289

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077127   CLOCK REQUEST @ TISUPDAT                    T1=12130    SECONDS RUNNING   397855.609344   3038
077[illegible]   CLOCK REQUEST @ RUPDATED                    T1=12142    SECONDS RUNNING   397855.702689   5072
077257   CLOCK REQUEST @ VELUPDAT                    T1=12142    SECONDS RUNNING   397855.703305   5020
077455   CLOCK REQUEST @ VUPDATED                    T1=12156    SECONDS RUNNING   397855.825259   4613
101[illegible]   CLOCK REQUEST @ BEGINS                      T1=12200    SECONDS RUNNING   397856.001057   9612
07[illegible]   CLOCK REQUEST @ LUNLAND                    T1=12200    SECONDS RUNNING   397856.008991   8935
073[illegible]   CLOCK REQUEST @ DISPEXIT                    T1=12277    SECONDS RUNNING   397856.631942   5776
DISPLAYS =   63   06   63          +07921  -01537  +14115                                                397857.000000
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

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  TIME        X        V        A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  OPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)  FORVEL     LONG   PITCH  BALL-P   CDUY   CRATE  ATT-Y  OPPY  DGY  CELTAV  DPS   PERILU
 LANDING     METRIC UNITS      ALTRATE     ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  OPPZ  DGZ    MASS  APS
397857.[illegible]  1740186 -  45.[illegible]  1.[illegible] -  11.2 -  2.07 -  0.70  359.13 -  0.83   0.03 - 0.76   261 -  1   5910  584.3    2.67
110:30:57 -  [illegible]265   1.2 -  [illegible]   774.6  337.03  152.14   63.58   63.58   0.21 - 0.00 -  12 -  3   4897   4591 -927.64
  LANDING -  13477   232.0 -  [illegible].25 - 156.5   13838 -  0.58    0.83 -  0.86   0.40 - 0.76 - 503    5  20368   5187

107437   CLOCK REQUEST @ READACCS                    T1=12400    SECONDS RUNNING   397857.281041   0386
107447   CLOCK REQUEST @ PIPSDONE                    T1=12400    SECONDS RUNNING   397857.282225   0285
076[illegible]   CLOCK REQUEST @ SERVICER                    T1=12400    SECONDS RUNNING   397857.289989   9623
077127   CLOCK REQUEST @ RCSUPDAT                    T1=12440    SECONDS RUNNING   397857.604605   2775
077[illegible]   CLOCK REQUEST @ RUPDATED                    T1=12451    SECONDS RUNNING   397857.695361   5031
077257   CLOCK REQUEST @ VELUPDAT                    T1=12451    SECONDS RUNNING   397857.695977   4978
077455   CLOCK REQUEST @ VUPDATED                    T1=12465    SECONDS RUNNING   397857.818579   4516
101[illegible]   CLOCK REQUEST @ BEGINS                      T1=12507    SECONDS RUNNING   397857.991042   9800
07241   CLOCK REQUEST @ LUNLAND                    T1=12510    SECONDS RUNNING   397858.006135   8512
073[illegible]7   CLOCK REQUEST @ DISPEXIT                    T1=12606    SECONDS RUNNING   397858.628557   5398
DISPLAYS =   [illegible]   06   [illegible]          +07763  -01555  +13814                                397859.000000

397859.[illegible]  1[illegible]4 -  46.5   1.2 -  10.6 -  3.06 -  0.66  359.05 -  0.79   0.05 - 0.76   261 -  1   5947  584.2    2.63
110:30:[illegible] -  [illegible]   [illegible]   758.1  337.01  152.74   63.17   63.17   0.62 - 0.00 -  12 -  2   4915   4552 -928.03
  LANDING -  13016   226.5 - 2.57 - 156.3   13498 -  0.06    0.79 -  0.35   1.20 - 0.76 - 505    5  20329   5187

107[illegible]7   CLOCK REQUEST @ READACCS                    T1=12710    SECONDS RUNNING   397859.281042   9720
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107447	CLOCK REQUEST 1 PIPSDONE	T1=12710	SECONDS RUNNING	397859.282227	9618
076216	CLOCK REQUEST 2 SERVICER	T1=12711	SECONDS RUNNING	397859.291043	8866
077127	CLOCK REQUEST 4 PDSUPDAT	T1=12750	SECONDS RUNNING	397859.602412	2296
077251	CLOCK REQUEST 5 RUPDATED	T1=12761	SECONDS RUNNING	397859.695875	4320
077257	CLOCK REQUEST 3 VELUPDAT	T1=12761	SECONDS RUNNING	397859.696491	4268
077455	CLOCK REQUEST 4 VUPDATED	T1=12775	SECONDS RUNNING	397859.816456	4031
101622	CLOCK REQUEST 3 PROGIMS	T1=13017	SECONDS RUNNING	397859.991711	9076
07241	CLOCK REQUEST 3 LUNLAND	T1=13020	SECONDS RUNNING	397860.002149	8185
073457	CLOCK REQUEST 4 DISPEXIT	T1=13116	SECONDS RUNNING	397860.625327	5007
DISPLAYS =	63 06 63 +07605 -01574 +13501				397861.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST CELTAV MASS	RCS DPS APS	APDLU PERILU
397861.0	173900 - 47.1	1.6 - 5.2	3.06 -	0.57	0.92 -	0.71	0.05 -	0.76	270	0	5975	546.2	2.58
110:31:1 -	256	1.2 3.03	741.4	337.00	151.97	62.40	62.39 -	0.62 -	2 -	3	4933	4513	-928.42
LANDING -	12565	271.9 - 0.56	160.0	13155	1.21	0.71	0.92	1.08	0.10 -	509	5	20289	5187
107427	CLOCK REQUEST 3 RLACALCS						T1=13220	SECONDS RUNNING				397861.281062	9051
107447	CLOCK REQUEST 2 PIPSDONE						T1=13220	SECONDS RUNNING				397861.282270	8948
076216	CLOCK REQUEST 2 SERVICER						T1=13221	SECONDS RUNNING				397861.290194	8272
077127	CLOCK REQUEST 4 PDSLPDAT						T1=13261	SECONDS RUNNING				397861.612214	0793
077251	CLOCK REQUEST 4 RUPDATED						T1=13272	SECONDS RUNNING				397861.707829	2634
077257	CLOCK REQUEST 3 VELUPDAT						T1=13272	SECONDS RUNNING				397861.708444	2581
077455	CLOCK REQUEST 4 VUPDATED						T1=13366	SECONDS RUNNING				397861.829951	2213
101622	CLOCK REQUEST 4 PROGIMS						T1=13330	SECONDS RUNNING				397862.003854	7373
07241	CLOCK REQUEST 3 LUNLAND						T1=13331	SECONDS RUNNING				397862.014311	6481
073457	CLOCK REQUEST 4 DISPEXIT						T1=13427	SECONDS RUNNING				397862.639048	3170
DISPLAYS =	63 06 63			+07446 -01590 +13177									397863.000000
397863.0	173900 - 47.7	1.1 - 5.5	3.08 -	0.56	0.48 -	0.71	0.01 -	0.76	267 -	1	5962	584.0	2.54
110:31:2 -	255	1.2 0.01	724.6	336.98	152.98	63.38	63.38	0.07	0.32	2 -	2	4551	4473 -528.80

LANDING - 17128 216.7 - 2.97 - 161.6 12809 0.79 0.71 0.48 - 0.22 0.10 - 513 5 20250 5187

107437	CLOCK REQUEST @ READACCS	T1=13530	SECONDS RUNNING	397863.281040	8386
107447	CLOCK REQUEST @ PIPSCONE	T1=13530	SECONDS RUNNING	397863.282223	8285
076206	CLOCK REQUEST @ SERVICER	T1=13530	SECONDS RUNNING	397863.289983	7623
077127	CLOCK REQUEST @ POSUPDAT	T1=13570	SECONDS RUNNING	397863.608814	0416
077251	CLOCK REQUEST @ RUPDATED	T1=13601	SECONDS RUNNING	397863.699381	2688
077257	CLOCK REQUEST @ VELUPDAT	T1=13601	SECONDS RUNNING	397863.699997	2635
077455	CLOCK REQUEST @ VUPDATED	T1=13616	SECONDS RUNNING	397863.823298	2114
101652	CLOCK REQUEST @ ROGIMS	T1=13640	SECONDS RUNNING	397864.001048	6946
072410	CLOCK REQUEST @ LUNLAND	T1=13641	SECONDS RUNNING	397864.010741	6119
073427	CLOCK REQUEST @ DISPEXIT	T1=13737	SECONDS RUNNING	397864.633929	2940

DISPLAYS = 63 06 63 +07285 -01606 +12846 397865.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBE	COORDS)		FCRVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	OELTAV	OPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397865.0	1739709 -	4.0	1.2 -	6.5 -	3.05 -	0.56	359.80 -	0.72	0.01 -	0.76	267 -	1	5561	583.5	2.49
110:31: 5 -	251	1.3 -	.02	737.9	336.97	153.19	63.57	63.57 -	1.37	1.20	1 -	3	4569	4434	-929.17
LANDING -	17702	211.6	2.56 -	163.4	12461	0.13	0.72 -	0.19	0.20 -	0.43 -	510	5	20210	5187	

107437	CLOCK REQUEST @ READACCS	T1=14040	SECONDS RUNNING	397865.281042	7720
107447	CLOCK REQUEST @ PIPSCONE	T1=14040	SECONDS RUNNING	397865.282227	7618
076206	CLOCK REQUEST @ SERVICER	T1=14041	SECONDS RUNNING	397865.291328	6842
077127	CLOCK REQUEST @ POSUPDAT	T1=14100	SECONDS RUNNING	397865.606294	9965
077251	CLOCK REQUEST @ RUPDATED	T1=14111	SECONDS RUNNING	397865.699742	1990
077257	CLOCK REQUEST @ VELUPDAT	T1=14112	SECONDS RUNNING	397865.701556	1836
077455	CLOCK REQUEST @ VUPDATED	T1=14125	SECONDS RUNNING	397865.819949	1733
101652	CLOCK REQUEST @ ROGIMS	T1=14150	SECONDS RUNNING	397866.001063	6278
072410	CLOCK REQUEST @ LUNLAND	T1=14150	SECONDS RUNNING	397866.009110	5591
073427	CLOCK REQUEST @ DISPEXIT	T1=14247	SECONDS RUNNING	397866.632391	2404

DISPLAYS = 63 06 [illegible] +07124 -01323 +1[illegible]507 397867.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FERVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397867.2	173[illegible]1[illegible] - 43.7	1.40 - 7.8	3.65 - 0.42	0.68 -	0.65 - 0.00 -	0.65	276 -	1	6021	583.9	2.45		
110:31: 7 -	255	1.3	3.[illegible]	[illegible]91.[illegible]	336.96	151.38	61.46	61.45 -	1.35 -	0.21 -	1 -	2	4987	4395	-929.53
LANDING -	1128]	20[illegible].5 -	2.55 -	164.3	12109	1.32	0.66	0.68	0.05	0.32 -	511	6	20171	5187	

107437	CLOCK REQUEST @ READACCS	T1=14350	SECONDS RUNNING	397867.281042	7053
107447	CLOCK REQUEST @ PIPSDONE	T1=14350	SECONDS RUNNING	397867.282226	6952
076206	CLOCK REQUEST @ SERVICER	T1=14350	SECONDS RUNNING	397867.289995	6289
077127	CLOCK REQUEST @ FUSUPDAT	T1=14411	SECONDS RUNNING	397867.610681	8924
077251	CLOCK REQUEST @ VUPDATED	T1=14422	SECONDS RUNNING	397867.705422	0839
077257	CLOCK REQUEST @ VELUPDAT	T1=14422	SECONDS RUNNING	397867.706050	0786
077455	CLOCK REQUEST @ VUPDATED	T1=14437	SECONDS RUNNING	397867.830355	0178
101632	CLOCK REQUEST @ FUDIMS	T1=14461	SECONDS RUNNING	397868.011067	4757
072410	CLOCK REQUEST @ LUNLAND	T1=14461	SECONDS RUNNING	397868.017045	4247
073437	CLOCK REQUEST @ DISPEXIT	T1=14563	SECONDS RUNNING	397868.671666	8386

DISPLAYS = 63 06 63 +06566 -01638 +12163 397869.000000

397869.2	173513 - 43.3	1.4 - 6.7 -	3.04 - 0.45	0.45 -	0.64 - 0.03 -	0.65	288	0	6021	583.7	2.40		
110:31: 9 -	245	1.4	3.01	674.4	336.94	151.07	61.44	61.43	0.38 -	0.32 -	1 -	3	5005	4355	-929.89
LANDING -	10375	201.4 -	2.55 -	165.6	11756	0.81	0.64	0.46 -	0.90	0.32 -	515	5	20131	5187	

107437	CLOCK REQUEST @ READACCS	T1=14660	SECONDS RUNNING	397869.281042	6386
107447	CLOCK REQUEST @ PIPSDONE	T1=14660	SECONDS RUNNING	397869.282227	6285
076206	CLOCK REQUEST @ SERVICER	T1=14661	SECONDS RUNNING	397869.290001	5622
077127	CLOCK REQUEST @ FUSUPDAT	T1=14720	SECONDS RUNNING	397869.605671	8685
077251	CLOCK REQUEST @ VUPDATED	T1=14731	SECONDS RUNNING	397869.696871	0902
077257	CLOCK REQUEST @ VELUPDAT	T1=14731	SECONDS RUNNING	397869.697487	0850
077455	CLOCK REQUEST @ VUPDATED	T1=14746	SECONDS RUNNING	397869.821480	0269
101632	CLOCK REQUEST @ FUDIMS	T1=14770	SECONDS RUNNING	397870.001048	4946

072410	CLCCK REQUEST @ LUNLANC	T1=14770	SECCNDS RUNNING	397870.008364	4321
07_437	CLCCK REQUEST @ TISPEXIT	T1=15067	SECONDS RUNNING	397870.63D1D0	1267

DISPLAYS = 63 06 63 +C68C4 -C1648 +11840 397871.CDDOC0

UNLESS CTHERWISE INDICATEC, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V	A	LATVEL	LAT	YAW	BALL-R	CDLX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397871.2	173[illegible]14 -	49.7	1.2[illegible] -	6.5 -	3.04 -	0.43	359.78 -	0.62 -	0.04 -	0.65	284 -	1	5979	583.7	2.35
110:31:11 -	245	1.4 -	0.11	657.6	336.93	151.97	62.31	62.31	0.24	0.43 -	4 -	2	5023	4315	-930.23
LANDING -	1475	196.2 -	2.54 -	167.1	11385	0.15	0.62 -	0.21 -	0.80 -	0.10 -	512	5	20091	5187	

107437	CLCCK REQUEST @ READACCS	T1=15170	SECONDS RUNNING	397871.281042	5720
107447	CLCCK REQUEST @ PIPSDONE	T1=15170	SECONDS RUNNING	397871.282226	5619
076206	CLCCK REQUEST @ SERVICER	T1=15171	SECONDS RUNNING	397871.291037	4867
077127	CLCCK REQUEST @ PCSUPDAT	T1=15230	SECONDS RUNNING	397871.607674	7847
077251	CLCCK REQUEST @ RUPDATED	T1=15242	SECONDS RUNNING	397871.705022	9540
077257	CLCCK REQUEST @ VELUPDAT	T1=15242	SECONDS RUNNING	397871.705649	9486
077455	CLCCK REQUEST @ VUPDATED	T1=15256	SECONDS RUNNING	397871.824085	9380
101632	CLCCK REQUEST @ RDGIMS	T1=15300	SECONDS RUNNING	397872.001093	4275
072410	CLCCK REQUEST @ LUNLANC	T1=15301	SECONDS RUNNING	397872.01D267	3492
073437	CLCCK REQUEST @ TISPEXIT	T1=15377	SECONDS RUNNING	397872.633544	0306

DISPLAYS = 63 06 63 +C6644 -C1660 +11487 397873.CCOOC0

397873.2	173914 -	50.1	1.42 -	6.1 -	3.04 -	0.39	0.04 -	0.59 -	0.00 -	0.65	286 -	1	6020	583.6	2.30
110:31:13 -	242	1.4	0.00	640.9	336.92	150.87	61.20	61.20 -	0.59 -	0.00 -	7 -	3	5041	4276	-930.56
LANDING -	1008	191.2 -	2.55 -	168.2	11091	0.41	0.59	0.04	0.06 -	0.21 -	509	5	20052	5187	

107437	CLCCK REQUEST @ READACCS	T1=15500	SECONDS RUNNING	397873.281233	5037
107447	CLCCK REQUEST @ PIPSDONE	T1=15500	SECONDS RUNNING	397873.282416	4936
076206	CLCCK REQUEST @ SERVICER	T1=15501	SECONDS RUNNING	397873.290181	4273
077127	CLCCK REQUEST @ PCSUPDAT	T1=15540	SECONDS RUNNING	397873.604607	7442
077251	CLCCK REQUEST @ RUPDATED	T1=15552	SECONDS RUNNING	397873.702274	9108
77257	CLCCK REQUEST @ V LUPDAT	T1=15552	SECONDS RUNNING	397873.702890	9055

077455	CLCCK REQUEST @ VUPCATEC	T1=15565	SECONDS RUNNING	397873.818784	9166
101632	CLCCK REQUEST @ RDGIMS	T1=15607	SECONDS RUNNING	397873.991072	4464
072410	CLCCK REQUEST @ LUNLANC	T1=15607	SECONDS RUNNING	397873.999802	3719
073437	CLCCK REQUEST @ DISPEXIT	T1=15707	SECONDS RUNNING	397874.632895	9695

DISPLAYS = 6 6 6 +16486 -01672 +11142 397875.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS) LANDING	V METRIC UNITS	LATVEL FCRVEL ALTRATE	LAT LCNG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397875.2	[illegible] - 50.5	1.48 - 5.4	- 3.03 -	0.33	0.82 -	0.54	0.01 -	0.54	294 -	1	6070	583.3	2.25
110:31:15 -	239	1.4	3.04	623.9	330.91	157.41	60.74	60.73	1.35 -	0.87 -	4 -	2	5059	4236	-930.89
LANDING -	5739	1868 -	2.59 -	169.1	10799	1.20	0.54	0.82 -	0.08	0.32 -	519	5	20012	5187	

107437	CLCCK REQUEST @ RTAGACCS	T1=16010	SECONDS RUNNING	397875.281042	4386
107447	CLCCK REQUEST @ PIPSDONE	T1=16010	SECONDS RUNNING	397875.282226	4285
76206	CLCCK REQUEST @ SERVICER	T1=16010	SECONDS RUNNING	397875.289997	3622
077127	CLCCK REQUEST @ FCSUPDAT	T1=16047	SECONDS RUNNING	397875.599957	7172
077251	CLCCK REQUEST @ TUPCATEC	T1=16061	SECONDS RUNNING	397875.691965	9321
077257	CLCCK REQUEST @ V LUPDAT	T1=16061	SECONDS RUNNING	397875.692581	9268
077455	CLCCK REQUEST @ VUPCATEI	T1=16075	SECONDS RUNNING	397875.814179	8892
101632	CLCCK REQUEST @ RDGIMS	T1=16117	SECONDS RUNNING	397875.991067	3797
72410	CLCCK REQUEST @ LUNLANC	T1=16117	SECONDS RUNNING	397875.999482	3079
73437	CLCCK REQUEST @ DISPEXIT	T1=16216	SECONDS RUNNING	397876.621643	9988

DISPLAYS = 65 06 6 +16323 -01680 +10821 397877.000000

397877.2	[illegible] - 50.5	1.0 - 5.0	- 3.03 -	0.34	1.35 -	0.53	0.04 -	0.54	288	0	6001	583.3	2.20
110:31:17 -	234	1.4	3.01	606.9	236.89	152.43	62.74	62.73	1.24	0.98 -	1 -	3	5077	4196	-931.21
LANDING -	5345	1808 -	2.51 -	170.2	10488	0.75	0.53	0.35 -	0.02 -	0.00 -	518	5	19572	5187	

107437	CLCCK REQUEST @ RTAGACCS	T1=16320	SECONDS RUNNING	397877.281042	3720
107447	CLCCK REQUEST @ PIPSDONE	T1=16320	SECONDS RUNNING	397877.282226	3618
76206	CLCCK REQUEST @ SERVICER	T1=16321	SECONDS RUNNING	397877.291322	2842
077127	CLCCK REQUEST @ FCSUPDAT	T1=16360	SECONDS RUNNING	397877.606884	5914

077251	CLCCK REQUEST @ VUPDATED	T1=16372	SECONDS RUNNING	397877.704266	7604
077257	CLCCK REQUEST @ VFLUPDAT	T1=16372	SECONDS RUNNING	397877.704894	7551
077455	CLCCK REQUEST @ VUPDATED	T1=16406	SECONDS RUNNING	397877.826215	7198
101632	CLCCK REQUEST @ PCCIMS	T1=16430	SECONDS RUNNING	397878.001083	2276
072410	CLCCK REQUEST @ LUNLAND	T1=16431	SECONDS RUNNING	397878.016135	0992
073437	CLCCK REQUEST @ DISPEXIT	T1=16527	SECONDS RUNNING	397878.639665	7784

DISPLAYS = [illegible] 63 +0[illegible]163 -0167[illegible] +10487 397879.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FLRVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE GRATE PRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397879.2	173[illegible] - 51.3	1.44 -	4.3 -	3.03 -	0.32	0.13 -	0.54	0.05 -	0.54	286 -	1	6054	583.0	2.15
110:31:19 -	[illegible]	1.4	[illegible]	550.2	326.88	151.01	61.31	61.31 -	1.05	0.32 -	3 - 2	5095	4156	-931.52
LANDING -	8385	175.7 -	2.6[illegible] -	171.4	10148	0.54	0.54	0.13	0.59 -	0.21 -	512	6 19932	5187	

107437	CLCCK REQUEST @ RTADACCS	T1=16630	SECONDS RUNNING	397879.281042	3053
107447	CLCCK REQUEST @ FIPSDONE	T1=16630	SECONDS RUNNING	397879.282228	2952
076[illegible]	CLCCK REQUEST @ SE VICER	T1=16631	SECONDS RUNNING	397879.290003	2288
077127	CLCCK REQUEST @ RLSUPDAT	T1=16670	SECONDS RUNNING	397879.604639	5439
077251	CLCCK REQUEST @ VUPDATED	T1=16702	SECONDS RUNNING	397879.702333	7103
077257	CLCCK REQUEST @ V LUPDAT	T1=16702	SECONDS RUNNING	397879.702949	7050
077455	CLCCK REQUEST @ VUPDATED	T1=16715	SECONDS RUNNING	397879.818835	7161
101632	CLCCK REQUEST @ P CIMS	T1=16737	SECONDS RUNNING	397879.991053	2465
072410	CLCCK REQUEST @ LUNLAND	T1=16740	SECONDS RUNNING	397880.001406	1582
073437	CLCCK REQUEST @ DISPEXIT	T1=17037	SECONDS RUNNING	397880.636686	7371

DISPLAYS = 63 [illegible] 63 +0[illegible]004 -0170[illegible] +10152 397881.000000

397881.2	173[illegible] - 51.0	1.54 -	4.1 -	3.02 -	0.24	0.70 -	0.49	0.07 -	0.54	300 -	1	6117	582.7	2.10
110:31:21 -	23[illegible]	1.4	3.03	573.0	336.87	143.37	59.67	59.66	0.76 -	1.42 -	1 - 3	5114	4116	-931.82
LANDING -	8641	170.4 -	2.6[illegible] -	172.2	9802	1.14	0.49	0.70	0.83	0.10 -	523	5 19892	5187	

107437	CLCCK REQUEST @ RTADACCS	T1=17140	SECONDS RUNNING	397881.281068	2384
107447	CLCCK REQUEST @ FIPSDONE	T1=17140	SECONDS RUNNING	397881.282253	2283

[illegible]	CLOCK REQUEST [illegible] SERVICER	T1=17141	SECONDS RUNNING	397881.294059	1275
C77127	CLOCK REQUEST [illegible] RCSLPCAT	T1=17200	SECONDS RUNNING	397881.609487	4359
[illegible]77251	CLOCK REQUEST [illegible] UPDATEL	T1=17212	SECONDS RUNNING	397881.705828	6138
[illegible]77257	CLOCK REQUEST [illegible] VELUPDAT	T1=17212	SECONDS RUNNING	397881.706444	6085
[illegible]77455	CLOCK REQUEST [illegible] VUPDATED	T1=17226	SECONDS RUNNING	397881.823645	6084
[illegible]	CLOCK REQUEST [illegible] CCIMS	T1=17250	SECONDS RUNNING	397882.001179	0935
[illegible]7141	CLOCK REQUEST [illegible] LUNLAND	T1=17250	SECONDS RUNNING	397882.007809	0369
[illegible]73437	CLOCK REQUEST [illegible] DISPEXIT	T1=17347	SECONDS RUNNING	397882.633998	6934

DISPLAYS = [illegible] 06 [illegible] +06141 -01713 +09804 397883.000000

SNAPSHOT [illegible] SECONDS RUNNING 397883.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	D	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS DPS	APOLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397883.2	17.8803 -	51.9	1.46 -	3.5 -	3.62 -	0.21	0.70 -	0.47	0.04 -	0.43	303 -	1	6032	582.7	2.04
110:31:23 -	227	1.5	0.2	536.	336.86	150.83	61.11	61.10	0.69 -	0.00	3 -	3	5132	4076	-932.12
LANDING -	8307	165.2	0.4	- 172.4	9421	1.17	0.47	0.70	0.14	0.32 -	519	5	19851	5187	
107437	CLOCK REQUEST @ READACCS							T1=17450		SECONDS RUNNING			397883.281259		1701
107447	CLOCK REQUEST @ PIPSDONE							T1=17450		SECONDS RUNNING			397883.282443		1600
076200	CLOCK REQUEST @ SERVICER							T1=17451		SECONDS RUNNING			397883.291250		0848
077127	CLOCK REQUEST @ POSUPDAT							T1=17507		SECONDS RUNNING			397883.599604		4536
077251	CLOCK REQUEST @ RUPDATED							T1=17521		SECONDS RUNNING			397883.699881		5979
077257	CLOCK REQUEST @ VELUPDAT							T1=17522		SECONDS RUNNING			397883.701693		5824
077465	CLOCK REQUEST @ VUPDATED							T1=17535		SECONDS RUNNING			397883.815237		6135
101632	CLOCK REQUEST @ RDGIMS							T1=17557		SECONDS RUNNING			397883.991047		1132
07241	CLOCK REQUEST @ LUNLAND							T1=17557		SECONDS RUNNING			397883.999014		0453
DISPLAYS =	63	06	63	+05841	-01710	+09804									397884.000020
073437	CLOCK REQUEST @ DISPEXIT							T1=17657		SECONDS RUNNING			397884.631285		6499
DISPLAYS =	63	06	6	+05681	-01716	+09452									397885.000000
397885.2	7286.9 -	5.62	1.64 -	3.3 -	3.02 -	0.21	359.79 -	0.48	0.00 -	0.43	292	0	6073	582.7	1.99
110:31:15 -	222	1.6	0.2	539.	336.85	151.15	61.41	61.41 -	0.32	0.54	0 -	2	5151	4036	-932.40
LANDING -	7979	161.6	- 0.1	- 173.	9078	0.29	0.48 -	0.20 -	0.47 -	0.10 -	519	5	19812	5187	
107437	CLOCK REQUEST @ READACCS							T1=17760		SECONDS RUNNING			397885.281041		1053
107447	CLOCK REQUEST @ PIPSDONE							T1=17760		SECONDS RUNNING			397885.282225		0952
076200	CLOCK REQUEST @ SERVICER							T1=17760		SECONDS RUNNING			397885.289992		0289
077127	CLOCK REQUEST @ POSUPDAT							T1=20020		SECONDS RUNNING			397885.604928		3415
077251	CLOCK REQUEST @ RUPDATED							T1=20032		SECONDS RUNNING			397885.702981		5047
077257	CLOCK REQUEST @ VELUPDAT							T1=20032		SECONDS RUNNING			397885.703597		4995
077465	CLOCK REQUEST @ VUPDATED							T1=20045		SECONDS RUNNING			397885.819215		5129
101632	CLOCK REQUEST @ RDGIMS							T1=20067		SECONDS RUNNING			397885.991044		0466

072410	CLOCK REQUEST @ LUNLAND	T1=20070	SECONDS RUNNING	397886.001444	9579
0734 7	CLOCK REQUEST @ DISPEXIT	T1=20166	SECONDS RUNNING	397886.628895	6036

DISPLAYS = 63 06 [illegible] +05521 -01729 +09101 397887.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F V (STABLE MEMBER COORD)	LATVEL FERVEL	LAT LONG	YAW PITCH	BALL-K BALL-P	CDUX CDUY	PRATE QRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THRUST DELTAV	RCS DPS	APOLO PERILU
LANDING	METRIC UNITS.	ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397887.	738594 - 52.5	1.50 -	3.5 -	3.01 -	0.22	358.87 -	0.50	0.02 -	0.43	297 -	1	6118	582.6	1.94
110:31:27 -	218	1.5 -	2.07	52.7	336.84	150.54	60.78	60.78	0.00	0.10 -	9 -	3	5169	3996	-932.68
LANDING -	7866	154.8 -	2.65 -	174.7	8724 -	0.61	0.50 -	1.13	0.04 -	0.98 -	526	5	15771	5187	

0074.7	CLOCK REQUEST @ DEADACCS	T1=20270	SECONDS RUNNING	397887.281041	0386
107447	CLOCK REQUEST @ PIPSDONE	T1=20270	SECONDS RUNNING	397887.282224	0285
076206	CLOCK REQUEST @ SERVICER	T1=20270	SECONDS RUNNING	397887.289987	9623
077127	CLOCK REQUEST @ PCSUPDAT	T1=20330	SECONDS RUNNING	397887.606353	2626
077251	CLOCK REQUEST @ RUPDATED	T1=20341	SECONDS RUNNING	397887.697713	4830
0772.7	CLOCK REQUEST @ VELUPDAT	T1=20341	SECONDS RUNNING	397887.698329	4778
0774 5	CLOCK REQUEST @ VUPDATED	T1=20356	SECONDS RUNNING	397887.820850	4323
101632	CLOCK REQUEST @ RTCIMS	T1=20400	SECONDS RUNNING	397888.003821	8709
072410	CLOCK REQUEST @ LUNLAND	T1=20400	SECONDS RUNNING	397888.006036	8520
073437	CLOCK REQUEST @ DISPEXIT	T1=20477	SECONDS RUNNING	397888.630156	5262

DISPLAYS = 63 06 6[illegible] +05361 -01737 +08748 397889.000000

397888.02	738489 - 52.5	1.49 -	3.0 -	3.01 -	0.16	356.66 -	0.43	0.00 -	0.43	302 -	1	6112	582.6	1.88
110:31:29 -	214	1.5 -	2.02	504.5	336.83	150.63	60.87	60.87 -	0.44	0.65 -	11 -	2	5188	3956	-932.95
LANDING -	7359	149.5 -	2.64 -	175.4	8364	0.16	0.43 -	0.32	0.08 -	0.43 -	526	5	15731	5187	

0074.7	CLOCK REQUEST @ DEADACCS	T1=20600	SECONDS RUNNING	397889.281041	9720
107447	CLOCK REQUEST @ PIPSDONE	T1=20600	SECONDS RUNNING	397889.282225	9619
076206	CLOCK REQUEST @ SERVICER	T1=20601	SECONDS RUNNING	397889.291318	8843
077127	CLOCK REQUEST @ PCSUPDAT	T1=20640	SECONDS RUNNING	397889.608955	1738
077251	CLOCK REQUEST @ RUPDATED	T1=20652	SECONDS RUNNING	397889.703752	3648
0772.7	CLOCK REQUEST @ VELUPDAT	T1=20652	SECONDS RUNNING	397889.704368	3596

077455	CLOCK REQUEST @ VUPDATED	T1=20666	SECONDS RUNNING	397889.825527	3257
101632	CLOCK REQUEST @ RCCIMS	T1=20710	SECONDS RUNNING	397890.001053	8279
072410	CLOCK REQUEST @ LUNLAND	T1=20711	SECONDS RUNNING	397890.010945	7435
073427	CLOCK REQUEST @ DISPEXIT	T1=21007	SECONDS RUNNING	397890.638388	3893
DISPLAYS = 63 6 63	+05200 -01744 +08389				397891.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS) METRIC UNITS	V	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	DGX DGY DGZ	THRUST DELTAV MASS	PCS OPS APS	APOLU PERILU
397891.67	1738277 -	53.0	1.05 -	263 -	3.01 -	0.08	0.43 -	0.38 -	0.02 -	0.43	307 -	1	6122	582.6	1.83
110:31:31 -	215	1.04	1.01	4870.1	336.82	149.52	60.16	60.16 -	0.68	0.43 -	4 -	3	5207	3916	-933.21
LANDING -	7066	1440.2 -	0.73 -	1760.0	8003	0.94	0.38	0.42 -	0.34 -	0.00 -	525	6	19691	5187	

107437	CLOCK REQUEST @ READACCS	T1=21110	SECONDS RUNNING	397891.281041	9053
107447	CLOCK REQUEST @ RIPSDONE	T1=21110	SECONDS RUNNING	397891.282225	8952
076200	CLOCK REQUEST @ SERVICER	T1=21110	SECONDS RUNNING	397891.289992	8289
077167	CLOCK REQUEST @ RCSUPDAT	T1=21150	SECONDS RUNNING	397891.606932	1244
077241	CLOCK REQUEST @ VUPDATED	T1=21161	SECONDS RUNNING	397891.698135	3461
077257	CLOCK REQUEST @ VELUPDAT	T1=21161	SECONDS RUNNING	397891.698750	3408
077455	CLOCK REQUEST @ VUPDATED	T1=21176	SECONDS RUNNING	397891.822796	2823
101632	CLOCK REQUEST @ RCCIMS	T1=21220	SECONDS RUNNING	397892.003397	7412
072410	CLOCK REQUEST @ LUNLAND	T1=21220	SECONDS RUNNING	397892.005610	7223
073427	CLOCK REQUEST @ DISPEXIT	T1=21327	SECONDS RUNNING	397892.716823	6533
DISPLAYS = 69 76 [illegible]	+05200 -01750 +08389				397893.000000

397893.0[illegible]	1738277 -	53.0[illegible]	1.05 -	16 -	3.01 -	0.03	0.39 -	0.35 -	0.03 -	0.32	315	0	6143	582.6	1.77
110:31:3[illegible] -	210	1.05	1.01	4760.0	336.81	149.43	59.65	59.65 -	0.27 -	0.00 -	1 -	3	5226	3875	-933.46
LANDING -	6785	1390.0 -	0.62 -	1760.0	7641	0.94	0.34	0.39 -	0.69	0.10 -	526	5	19650	5187	

107437	CLOCK REQUEST @ READACCS	T1=21420	SECONDS RUNNING	397893.281041	8386
107447	CLOCK REQUEST @ RIPSDONE	T1=21420	SECONDS RUNNING	397893.282225	8285
076200	CLOCK REQUEST @ SERVICER	T1=21420	SECONDS RUNNING	397893.289992	7622

L/E ANTENNA POSITION CHANGE INITIATED AT T = 397893.618

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RANGE    DATA GOOD BIT CHANGED TO  0 AT T = 397893.61
VELOCITY DATA GOOD  IT CHANGED TO  0 AT T = 397893.61

 07241C    CLOCK REQUEST @ LUNLAND                    T1=21503    SECONDS RUNNING    397893.792940    4704

 072566    CLOCK REQUEST @ STARTF64                   T1=21503    SECONDS RUNNING    397893.796658    4387

DISPLAYS =    64    06    63          +05040  -01753  +06C29                                          397894.000006

 07[illegible]437    CLOCK REQUEST @ DISPEXIT                   T1=21622    SECONDS RUNNING    397894.588548    6812

DISPLAYS =    64    06    64  FLASH   +99X75  -01753  +07678                                          397895.000000

T = 397895.17[illegible]  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 64    VERB  6    NOUN 64    FLASH 1                                  CK FAIL 0   PGM ALM 0   REL DSPLY 0
UPLINK 0                                  R1 +99075    R2 - 1753  R3 + 7678

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      P        V        A    LATVEL    LAT     YAW   BALL-P    CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APDLU
 (STABLE MEMBER COORDS)  FORWLL   LONG   PITCH  BALL-P    CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS        ALTRATE  ALT    ROLL   BALL-Y    CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

397895.62  17[illegible]17[illegible] -  53.2  [illegible] -  1.5 -  3.00   0.00  359.94 -  0.32 - 0.00 - 0.21   322 -  1   6164  582.4    1.71
110:31:35 -   2.8    1.5 -  [illegible]  452.9  336.80  149.39   59.60   59.61 -  1.18  26.58 -   3 -  2   5244   3835 -933.69
 LANDING -   65[illegible]  123.8 -  2.27 - 176.4   7280   0.51    0.33 -  0.06 - 0.18 - 0.00 - 521    5  19610   5187

 107437    CLOCK REQUEST @ READACCS                   T1=21730    SECONDS RUNNING    397895.281042    7720

 107447    CLOCK REQUEST @ PIPSDONE                   T1=21730    SECONDS RUNNING    397895.282226    7618

 076206    CLOCK REQUEST @ SERVICER                   T1=21731    SECONDS RUNNING    397895.291253    6848

 07241C    CLOCK REQUEST @ LUNLAND                    T1=22004    SECONDS RUNNING    397895.729870    9420

ASTRONAUT PERFORMS ACTION 6D0066C136 AT TIME  397896.1785


ASTRONAUT KEYSTROKE    PROCEED

 073447    CLOCK REQUEST @ DISPEXIT                   T1=22123    SECONDS RUNNING    397896.516648    2281

DISPLAYS =    64    06    64  FLASH   +99X75  -01754  +07328                                          397897.000000

397897.02  1786064 -  52.6  [illegible] -  2.0 -  2.0   0.07   0.39 -  0.40   0.06 - 0.32   391 -  1   6203  580.6    1.64
110:31:27 -   204    1.5  [illegible]  438.3  336.79  134.50   44.72   44.72 - 10.19  16.14 -   5 -  3   5261   3794 -933.89
 LANDING -   6250   174.3 - 2.12 - 174.2   6520   0.87    0.40    0.39    0.42   0.10 - 425    5  19567   5187

 107437    CLOCK REQUEST @ READACCS                   T1=22240    SECONDS RUNNING    397897.281053    7052

 107447    CLOCK REQUEST @ PIPSDONE                   T1=22240    SECONDS RUNNING    397897.282249    6950
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076200	CLOCK REQUEST @ SERVICER	T1=22240	SECONDS RUNNING	397897.288760	6394
07241	CLOCK REQUEST @ LUNLAND	T1=22315	SECONDS RUNNING	397897.739070	7968
073437	CLOCK REQUEST @ LISPEXIT	T1=22444	SECONDS RUNNING	397898.603940	4166

DISPLAYS = 64 06 64 +99X61 -01733 +06979 397899.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL / RDVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	OPRX / OPPY / OPPZ	OGX / OGY / OGZ	THRUST / DELTAV / MASS	RCS / OPS / APS	APOLU / PERILU
397899.2	1737960 -	50.9	-0.75 -	0.3 -	3.00	0.41	0.72 -	0.18	0.04 -	0.10	501 -	1	6424	579.3	1.56
110:31:39 -	203	1.5	- 0.12	425.4	336.78	119.69	29.89	29.89 -	2.80	1.20 -	6 -	2	5276	3753	-934.06
LANDING -	5996	125.3	- 1.78 -	168.5	6568	1.07	0.18	0.72 -	0.86	0.54 -	396	5	19524	5187	
107437	CLOCK REQUEST @ READACCS							T1=22550	SECONDS RUNNING				397899.281046		6386
107447	CLOCK REQUEST @ RIPSOONE							T1=22550	SECONDS RUNNING				397899.282235		6284
076200	CLOCK REQUEST @ SERVICER							T1=22550	SECONDS RUNNING				397899.288702		5733
07241	CLOCK REQUEST @ LUNLAND							T1=22624	SECONDS RUNNING				397899.725321		8474
073437	CLOCK REQUEST @ LISPEXIT							T1=22754	SECONDS RUNNING				397900.603125		3568

DISPLAYS = 64 06 64 +99X46 -01675 +06638 397901.000000

397901.2	1737951 -	48.6	2.6	1.6 -	3.00	0.73	0.24	0.08	0.13 -	0.00	558	0	6020	578.7	1.46
110:31:41 -	205	1.5	0.01	415.0	336.78	118.83	29.03	29.02	0.63	0.43	1 -	2	5290	3711	-934.19
LANDING -	5751	122.1	- 1.44 -	160.8	6246	0.60	359.90	0.24	0.60 -	0.10 -	318	5	19482	5187	
107437	CLOCK REQUEST @ READACCS							T1=23060	SECONDS RUNNING				397901.281042		5720
107447	CLOCK REQUEST @ RIPSOONE							T1=23060	SECONDS RUNNING				397901.282226		5618
076200	CLOCK REQUEST @ SERVICER							T1=23060	SECONDS RUNNING				397901.289997		4955
07241	CLOCK REQUEST @ LUNLAND							T1=23136	SECONDS RUNNING				397901.744611		6162
073437	CLOCK REQUEST @ LISPEXIT							T1=23265	SECONDS RUNNING				397902.616159		1790

DISPLAYS = 64 06 64 +98X45 -01599 +06311 397903.000000

397903.2	1737765 -	46.0	2.0	1.6 -	3.00	1.00	0.32	0.34	0.08	0.21	533 -	1	5866	578.3	1.38
110:31:43 -	207	1.5	0.01	405.7	336.77	118.40	28.58	28.58	0.74 -	0.00 -	3 -	1	5302	3672	-934.30
LANDING -	5508	119.3	- 1.33 -	154.1	5949	0.69	355.65	0.32	1.02 -	0.00 -	284	4	19443	5187	
107437	CLOCK REQUEST @ READACCS							T1=23370	SECONDS RUNNING				397903.281042		5053

107447	CLCCK REQUEST @ PIPSCONE	T1=23370	SECONDS RUNNING	397903.282228	4952
076206	CLCCK REQUEST @ SERVICER	T1=23370	SECONDS RUNNING	397903.288675	4402
072410	CLCCK REQUEST @ LUNLAND	T1=23446	SECONDS RUNNING	397903.742150	5705
073437	CLCCK REQUEST @ DISPLEXIT	T1=23574	SECONDS RUNNING	397904.606513	1946

DISPLAYS = 64 06 64 +99X44 -01531 +05698 397905.000000

L/M ANTENNA POSITION CHANGE COMPLETED AT T = 397905.281

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V ALTRATE	A	LATVEL FORVEL ALT	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST CELTAV MASS	RCS CPS APS	APOLU PERILU
397905.2	1737074 -	44.6	2.61	4.1 -	2.99	1.11	0.43	0.41	0.06	0.32	527 -	1	5859	577.6	1.30
110:31:45 -	109	1.5	3.72	396.7	336.76	118.08	28.26	28.26	0.85 -	0.56 -	4 -	2	5214	3633	-934.41
LANDING -	5276	1160.5 -	1.3	- 147.5	5665	0.81	359.57	0.43	0.72	0.10 -	275	4	19404	5187	

107437	CLCCK REQUEST @ READACCS	T1=23700	SECONDS RUNNING	397905.281042	4386
107447	CLCCK REQUEST @ PIPSCONE	T1=23700	SECONDS RUNNING	397905.282228	4285
076206	CLCCK REQUEST @ SERVICER	T1=23700	SECONDS RUNNING	397905.288675	3735
072410	CLCCK REQUEST @ LUNLAND	T1=23756	SECONDS RUNNING	397905.744628	4827
073437	CLCCK REQUEST @ DISPEXIT	T1=24104	SECONDS RUNNING	397906.605143	1396

DISPLAYS = 64 06 64 +99X43 -01465 +05698 397907.000000

397907.2	1737587 -	42.6	2.59	3.9 -	2.99	1.10	0.22	0.28	0.08	0.32	525 -	1	5813	577.6	1.22
110:31:47 -	197	1.6	3.30	387.6	336.75	118.37	28.55	28.54	0.87 -	0.76 -	2 -	1	5326	3595	-934.52
LANDING -	5244	1138.8 -	1.3	- 141.0	5393	0.61	359.60	0.21	0.49 -	0.00 -	276	4	19365	5187	

107437	CLCCK REQUEST @ READACCS	T1=24210	SECONDS RUNNING	397907.281097	3715
107447	CLCCK REQUEST @ PIPSCONE	T1=24210	SECONDS RUNNING	397907.282281	3614
076206	CLCCK REQUEST @ SERVICER	T1=24211	SECONDS RUNNING	397907.291010	2869
077721	CLCCK REQUEST @ SETPOS2	T1=24252	SECONDS RUNNING	397907.626361	4252
072410	CLCCK REQUEST @ LUNLAND	T1=24307	SECONDS RUNNING	397907.916397	9503
073437	CLCCK REQUEST @ DISPEXIT	T1=24436	SECONDS RUNNING	397908.783961	5470

DISPLAYS = 64 06 64 +99X43 -01401 +05412 397909.000000

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397[illegible]0.2  173770. -  4[illegible]67  [illegible]  [illegible]06 -  2.99   1.07   0.05   0.35   0.03   0.32   520 -  1   5740   577.5   1.15
110:31:49 -  [illegible]  [illegible] -  [illegible]  [illegible]  [illegible]78.5  336.75  119.92   29.08   29.08   0.27 -  0.54 -   4 -  1   5338   3557 -934.62
  LANDING -  4[illegible]  111.0 -  1.4[illegible] - 134.7   5134   0.46  359.65   0.05 -  0.18 -  0.00 -  277   3  19326   5187

  107427    CLOCK REQUEST @ [illegible]EADACCS                          T1=24520        SECONDS RUNNING      397909.281041        3053

  107447    CLOCK REQUEST @ PIPSDONE                                    T1=24520        SECONDS RUNNING      397909.282225        2952

  [illegible]76200    CLOCK REQUEST @ [illegible]E-VICER                          T1=24520        SECONDS RUNNING      397909.289990        2289

  [illegible]01632    CLOCK REQUEST @ RECIMS                                      T1=24603        SECONDS RUNNING      397909.791047        9532

  [illegible]72410    CLOCK REQUEST @ LUNLAND                                     T1=24603        SECONDS RUNNING      397909.799771        8788

DISPLAYS =    44   [illegible]6   64          +[illegible]9X44  -014[illegible]  +05412                                          397910.000038

  073437    CLOCK REQUEST @ DISPEXIT                                    T1=24727        SECONDS RUNNING      397910.639957        7092

DISPLAYS =    [illegible]4   [illegible]6   [illegible]4          +[illegible]9X44  -01337  +05[illegible]                                397911.000000

                              UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME              V       A    LATVEL     LAT    YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRLST  RCS   APOLU
            (STABLE MEMBER COORDS)  FPRVEL                  PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING        METRIC UNITS       ALTRATE    ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ    MASS   APS
397911.2  173742[illegible] -  38.9   2.02    3.3 -  2.99   1.06  359.83   0.31 -  0.02   0.21  511 -  1   5657   577.5   1.08
110:31:51 -   1.6    1.6 -  [illegible]  269.4  336.74  119.24   29.39   29.39   0.19 -  0.54 -   5 -  1   5351   3519 -934.72
  LANDING -  4597  108.2 -  1.4[illegible] - 128.6   4887   0.25  359.68 -  0.16 -  0.06 -  0.10 -  280   4  19289   5187

  107437    CLOCK REQUEST @ READACCS                                    T1=25030        SECONDS RUNNING      397911.281041        2386

      VELOCITY DATA GOOD BIT CHANGED TO  1 AT T = 397911.28
      RANGE    DATA GOOD BIT CHANGED TO  1 AT T = 397911.28

  107447    CLOCK REQUEST @ PIPSDONE                                    T1=25030        SECONDS RUNNING      397911.282223        2285

  [illegible]76206    CLOCK REQUEST @ SERVICER                                    T1=25030        SECONDS RUNNING      397911.289984        1623

  [illegible]01632    CLOCK REQUEST @ RECIMS                                      T1=25112        SECONDS RUNNING      397911.781453        9684

  [illegible]72410    CLOCK REQUEST @ LUNLAND                                     T1=25113        SECONDS RUNNING      397911.796059        8438

  [illegible]73437    CLOCK REQUEST @ DISPEXIT                                    T1=25237        SECONDS RUNNING      397912.633292        6994

DISPLAYS =    64   [illegible]6    4          +[illegible]9X44  -01276  +04876                                                397913.000000

397913.2  173748 -  37.1   [illegible].47   [illegible].4 -  2.99   1.09   0.16   0.32 -  0.07   0.32  503 -  1   5576   577.5   1.02
110:31:53 -   1.[illegible]   1.6   0.0[illegible]  260.2  336.73  119.71   29.86   29.86 -  0.11 -  0.32 -   4 -  2   5363   3482 -934.82
  LANDING -  4[illegible]7  105.4 -  1.4[illegible] - 122.8   4652   0.60  359.66   0.15 -  0.23 -  0.00 -  279   4  19252   5187

  107437    CLOCK REQUEST @ READACCS                                    T1=25340        SECONDS RUNNING      397913.281041        1720
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107447	CLOCK REQUEST @ PIPSDONE	T1=25340	SECONDS RUNNING	397913.282225	1619
076206	CLOCK REQUEST @ SERVICER	T1=25341	SECONDS RUNNING	397913.291315	0843
101632	CLOCK REQUEST @ RCDIMS	T1=25422	SECONDS RUNNING	397913.781095	9048
072410	CLOCK REQUEST @ LUNLAND	T1=25423	SECONDS RUNNING	397913.795775	7796
073437	CLOCK REQUEST @ DISPEXIT	T1=25547	SECONDS RUNNING	397914.634117	6257

DISPLAYS = 64 06 64 +39X44 -01219 +04627 397915.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	P (STABLE MEMBE	V COORDS)	A	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COUX COUY	PRATE QRATE	ATT-X ATT-Y	OPPX OPPY	DGX DGY	THRUST DELTAV	RCS OPS	APOLU PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397915.2	1737275 -	35.5	2.63	3.4 -	2.98	1.13	0.25	0.34 -	0.04	0.32	496 -	1	5501	577.5	0.96
110:31:55 -	181	1.6	0.01	351.1	336.72	119.92	30.07	30.06 -	0.29 -	0.21 -	3 -	1	5375	3445	-934.92
LANDING -	4178	1102.6 -	1.3	- 117.3	4414	0.71	359.65	0.25 -	0.35	0.10 -	278	4	19215	5187	

107437	CLOCK REQUEST @ READACCS	T1=25650	SECONDS RUNNING	397915.281041	1053
107447	CLOCK REQUEST @ PIPSDONE	T1=25650	SECONDS RUNNING	397915.282224	0952
076206	CLOCK REQUEST @ SERVICER	T1=25650	SECONDS RUNNING	397915.289988	0289
101632	CLOCK REQUEST @ RCDIMS	T1=25732	SECONDS RUNNING	397915.781042	8386
072410	CLOCK REQUEST @ LUNLAND	T1=25733	SECONDS RUNNING	397915.792061	7446
073437	CLOCK REQUEST @ DISPEXIT	T1=26057	SECONDS RUNNING	397916.637292	5320

DISPLAYS = 64 06 64 +39X44 -01163 +04389 397917.000000

397917.2	1737[illegible]6 -	31.9	2.5[illegible]	3.4 -	2.98	1.14	0.29	0.32	0.00	0.21	489	0	5431	577.4	0.90
110:31:57 -	178	1.6	0.01	342.0	336.72	120.53	30.67	30.67	0.18 -	0.00 -	3 -	1	5387	3409	-935.01
LANDING -	3974	990.8 -	1.35 -	112.0	4168	0.78	359.66	0.25 -	0.14	0.21 -	279	4	19179	5187	

107437	CLOCK REQUEST @ READACCS	T1=26160	SECONDS RUNNING	397917.281041	0386
107447	CLOCK REQUEST @ PIPSDONE	T1=26160	SECONDS RUNNING	397917.282224	0285
076206	CLOCK REQUEST @ SERVICER	T1=26160	SECONDS RUNNING	397917.289987	9623
077127	CLOCK REQUEST @ PRESUPDAT	T1=26220	SECONDS RUNNING	397917.606984	2572
077251	CLOCK REQUEST @ XUPDATEC	T1=26232	SECONDS RUNNING	397917.704240	4273
077257	CLOCK REQUEST @ VELUPDAT	T1=26232	SECONDS RUNNING	397917.704855	4221
07745[illegible]	CLOCK REQUEST @ VUPDATEC	T1=26246	SECONDS RUNNING	397917.828348	3683

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101632    CLOCK REQUEST @ DISIMS                          T1=26270    SECONDS RUNNING    397918.003365    8748
072410    CLOCK REQUEST @ LUNLAND                         T1=26271    SECONDS RUNNING    397918.013797    7858
075437    CLOCK REQUEST @ DISPEXIT                        T1=26421    SECONDS RUNNING    397918.892259    2896
DISPLAYS =   64   06   64        +59X44  -01163  +04159                                                   397919.000004

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME        V        A   LATVEL    LAT     YAW  BALL-P   COUX   PRATE  ATT-X  DPPX  DGX  THPUST  RCS   APOLU
  LANDING  (STABLE MEMBER COORDS)  FORVEL  LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  OGY  DELTAV  OPS   PERILU
           METRIC UNITS          ALTRATE  ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  OGZ   MASS   APS
397919.02  1727179 - 32.3   2.34    3.1 -  2.98   1.13   0.07   0.25   0.05   0.21   483 -  1   5351  577.3    0.85
110:31:59 -   175    1.6   0.30  332.9  336.71 120.75  30.88  30.88   0.00   0.21 -   4 -  1   5399   3373 -935.11
  LANDING -  2776   97.0 - 1.38 - 106.9   3934   0.57  359.70   0.07   0.21 - 0.00 - 277    4  19143   5187

101437    CLOCK REQUEST @ READACCS                        T1=26470    SECONDS RUNNING    397919.281040    9720
107447    CLOCK REQUEST @ PIPSDONE                        T1=26470    SECONDS RUNNING    397919.282223    9619
076206    CLOCK REQUEST @ SERVICER                        T1=26471    SECONDS RUNNING    397919.291022    8868
077127    CLOCK REQUEST @ POSUPDAT                        T1=26530    SECONDS RUNNING    397919.606786    1923
077251    CLOCK REQUEST @ RUPDATED                        T1=26542    SECONDS RUNNING    397919.706020    3455
077257    CLOCK REQUEST @ VELUPDAT                        T1=26542    SECONDS RUNNING    397919.706636    3402
077455    CLOCK REQUEST @ VUPDATED                        T1=26556    SECONDS RUNNING    397919.826708    3156
DISPLAYS =   64   06   64        +59X45  -01110  +04159                                                   397920.000004

101632    CLOCK REQUEST @ DISIMS                          T1=26600    SECONDS RUNNING    397920.001046    8279
072410    CLOCK REQUEST @ LUNLAND                         T1=26601    SECONDS RUNNING    397920.012264    7322
073437    CLOCK REQUEST @ DISPEXIT                        T1=26727    SECONDS RUNNING    397920.877446    3493
DISPLAYS =   64   06   64        +59X45  -01119  +04159                                                   397921.000000

397921.02  1727076 - 3.45   2.38    2.8 -  2.98   1.11  359.91   0.25   0.02   0.10   477 -  1   5296  577.3    0.80
110:32: 1 -   173    1.6 -  0.0  323.9  336.70 122.24  30.38  30.35   0.13 - 0.10 -   6 -  2   5411   3338 -935.19
  LANDING -  2588   94.3 - 1.38 - 102.0   3708   0.42  359.74 -  0.08   0.32 - 0.10 - 273    4  19108   5187

101437    CLOCK REQUEST @ READACCS                        T1=27000    SECONDS RUNNING    397921.281041    9053
107447    CLOCK REQUEST @ PIPSDONE                        T1=27000    SECONDS RUNNING    397921.282224    8952
076206    CLOCK REQUEST @ SERVICER                        T1=27000    SECONDS RUNNING    397921.289987    8290
077127    CLOCK REQUEST @ POSUPDAT                        T1=27040    SECONDS RUNNING    397921.608822    1082
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077.5	CLCCK REQUEST @ VUPDATED	T1=27052	SECONDS RUNNING	397921.705805	2806
077257	CLCCK REQUEST @ VELUPDAT	T1=27052	SECONDS RUNNING	397921.706420	2754
077455	CLCCK REQUEST @ VUPDATED	T1=27066	SECONDS RUNNING	397921.828409	2344
DISPLAYS =	64 06 6 +99X45 -01059 +03935				397922.000007
101632	CLCCK REQUEST @ RCGIMS	T1=27110	SECONDS RUNNING	397922.001083	7609
7241	CLCCK REQUEST @ LUNLAND	T1=27110	SECONDS RUNNING	397922.009823	6864
07437	CLCCK REQUEST @ DISPEXIT	T1=27237	SECONDS RUNNING	397922.879800	2626

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE CRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
397922.02	17.7016 - 29.4 2.	2.8 -	2.98	1.14	0.17	0.25 -	0.01	0.10	474 -	1	5229	577.3	0.75
110:32: 3 -	17 1.6 - 0.	315.0	336.70	119.96	30.08	30.08	0.42 -	0.32 -	4 -	1	5423	3303	-935.28
LANDING -	3401 91.6 - 1.39 -	97.2	3455	0.69	255.74	0.17	0.40 -	0.00 -	270	4	15073	5187	

107437	CLCCK REQUEST @ REALACCS	T1=27310	SECONDS RUNNING	397923.281041	8386
107447	CLCCK REQUEST @ PIPSOCNE	T1=27310	SECONDS RUNNING	397923.282224	8285
076208	CLCCK REQUEST @ SERVICER	T1=27311	SECONDS RUNNING	397923.291040	7533
077237	CLCCK REQUEST @ FCSUPDAT	T1=27350	SECONDS RUNNING	397923.607071	0565
077255	CLCCK REQUEST @ RUPDATED	T1=27362	SECONDS RUNNING	397923.704746	2230
077257	CLCCK REQUEST @ VELUPDAT	T1=27362	SECONDS RUNNING	397923.705362	2178
077455	CLCCK REQUEST @ VUPDATED	T1=27376	SECONDS RUNNING	397923.827497	1755
DISPLAYS =	64 16 64 +99X44 -01011 +03717				397924.000013
101632	CLCCK REQUEST @ RCGIMS	T1=27420	SECONDS RUNNING	397924.002687	6806
7241	CLCCK REQUEST @ LUNLAND	T1=27421	SECONDS RUNNING	397924.013135	5914

ASTRNAUT PERFORMS ACTION 6000650004 AT TIME 397924.3289

ASTRNAUT PERFORMS ACTION 6000650003 AT TIME 397924.3289

ASTRNAUT PERFORMS ACTION 6000650003 AT TIME 397924.6289

032 64	CLCCK REQUEST @ +AZ	T1=27522	SECONDS RUNNING	397924.661515	0586
073437	CLCCK REQUEST @ DISPEXIT	T1=27552	SECONDS RUNNING	397924.907726	9576

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBLE COORDS) METRIC UNITS	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397925.6	1736958 - 2[illegible]0 [illegible]30	2.7 - 2.97	1.16	359.78	0.24 - 0.04	0.10	468 - 1	5158	577.1	0.70
110:32: 5 -	162 1.6 [illegible]	336.2 236.69	119.93	30.03	30.03	0.11 - 0.21 -	3 - 1	5434	3269	-935.36
LANDING -	3219 8869 - 1.[illegible] - 82.6	3291	0.32	359.75 -	0.20 - 0.37 -	0.00 - 265	2	19038	5187	

107427	CLCCK REQUEST @ READACCS	T1=27620	SECONDS RUNNING	397925.281042	7720
107447	CLCCK REQUEST @ PIPSDONE	T1=27620	SECONDS RUNNING	397925.282226	7619
076200	CLCCK REQUEST @ SERVICER	T1=27621	SECONDS RUNNING	397925.294613	6561
077127	CLCCK REQUEST @ RCSUPDAT	T1=27660	SECONDS RUNNING	397925.608685	9761
077251	CLCCK REQUEST @ [illegible]UPDATED	T1=27673	SECONDS RUNNING	397925.712944	0864
077257	CLCCK REQUEST @ VELUPDAT	T1=27673	SECONDS RUNNING	397925.713559	0811
077455	CLCCK REQUEST @ VUPDATED	T1=27706	SECONDS RUNNING	397925.829318	0933
DISPLAYS =	64 00 64 +09X44 -00963 +03507				397926.000073
101[illegible]	CLCCK REQUEST @ RTGIMS	T1=27730	SECONDS RUNNING	397926.001135	6272
072410	CLCCK REQUEST @ LUNLAND	T1=27731	SECONDS RUNNING	397926.018557	4785
073437	CLCCK REQUEST @ DISPEXIT	T1=30061	SECONDS RUNNING	397926.897819	9755
DISPLAYS =	64 06 64 +09X44 -00963 +03507				397927.000009

397927.2	1736905 - 2[illegible]7 [illegible]27	1.6 - 2.97	1.02	0.15	0.04 - 1.33	5.05	463 - 1	5109	576.4	0.66
110:32: 7 -	160 1.7 [illegible]	297.7 236.69	120.00	30.10	30.10 - 0.17 -	0.00	1 - 1	5446	3235	-935.43
LANDING -	3043 8863 - 1.6[illegible] - 88.2	3096	0.73	359.95	0.15	0.22 - 2.08 -	263	4	19004	5187

107427	CLCCK REQUEST @ READACCS	T1=30130	SECONDS RUNNING	397927.281063	7051
107447	CLCCK REQUEST @ PIPSDONE	T1=30130	SECONDS RUNNING	397927.282271	6948
076200	CLCCK REQUEST @ SERVICER	T1=30131	SECONDS RUNNING	397927.290196	6272

ASTRONAUT BEGINS SUBPROGRAM 72 AT TIME = 397927.3289

077127	CLCCK REQUEST @ RCSUPDAT	T1=30170	SECONDS RUNNING	397927.605143	9396
0772[illegible]	CLCCK REQUEST @ [illegible]UPDATED	T1=30202	SECONDS RUNNING	397927.709580	0484

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077257    CLOCK REQUEST @ VELUPDAT                    T1=30203    SECONDS RUNNING    397927.710198    0432
077455    CLOCK REQUEST @ VUPDATED                    T1=30217    SECONDS RUNNING    397927.830792    0141
DISPLAYS =    64    06    64        +99X43  -00517  +03305                                          397928.000005
101232    CLOCK REQUEST @ PDGIMS                      T1=30241    SECONDS RUNNING    397928.011054    4758
072410    CLOCK REQUEST @ LUNLAND                     T1=30241    SECONDS RUNNING    397928.017315    4224
073437    CLOCK REQUEST @ DISPEXIT                    T1=30272    SECONDS RUNNING    397928.904211    8542

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R          V          A    LATVEL    LAT      YAW    BALL-R    COUX    PRATE   ATT-X   OPPX   OGX   THRUST   RCS    APOLU
(STABLE MEMBER COORDS)  FORVEL    LONG    PITCH   BALL-P    COUY    GRATE   ATT-Y   OPPY   OGY   DELTAV   DPS    PERILU
 LANDING      METRIC UNITS        ALTRATE   ALT     ROLL    BALL-Y    COUZ    RRATE   ATT-Z   OPPZ   OGZ    MASS    APS
397926.[illegible]  1736851 -  25.4   [illegible]  20.2 -  2.97 -  3.34   2.61 -  4.46 - 2.45   0.87    457    0   5059   575.9    0.62
110332:[illegible] -   159    1.6   [illegible]  288.4  336.68  120.37  30.42   30.52 - 0.85   0.32     13 -  1   5458   3201 -935.51
  LANDING -  2872   83.7 - 1.3[illegible] -  83.[illegible]  2911   3.26   4.44   2.60   0.72   0.00 -  261    4  18969   5187

107437    CLOCK REQUEST @ READACCS                    T1=30440    SECONDS RUNNING    397929.281062    6385
107447    CLOCK REQUEST @ PIPSDONE                    T1=30440    SECONDS RUNNING    397929.282249    6283
076[illegible]    CLOCK REQUEST @ SERVICER                    T1=30441    SECONDS RUNNING    397929.296451    5071
077127    CLOCK REQUEST @ VESUPDAT                    T1=30501    SECONDS RUNNING    397929.610138    8303
077[illegible]    CLOCK REQUEST @ VUPDATED                    T1=30513    SECONDS RUNNING    397929.711849    9624
077[illegible]    CLOCK REQUEST @ VELUPDAT                    T1=30513    SECONDS RUNNING    397929.712464    9571
077455    CLOCK REQUEST @ VUPDATED                    T1=30527    SECONDS RUNNING    397929.833924    9207
DISPLAYS =    64    06    14        +99X43  -00874  +02111                                          397930.000006
101232    CLOCK REQUEST @ PDGIMS                      T1=30551    SECONDS RUNNING    397930.011063    4091
072410    CLOCK REQUEST @ LUNLAND                     T1=30552    SECONDS RUNNING    397930.027737    2668
073437    CLOCK REQUEST @ DISPEXIT                    T1=30702    SECONDS RUNNING    397930.908358    7522

397931.2  1736802 -  24.1   2.[illegible] -  24.4 -  2.97 -  4.31   2.90 -  5.55   0.08 -  0.65    456 -  1   5011   575.2    0.58
110332:11 -   155    2.[illegible]   [illegible]  279.4  336.68  120.58  30.60   30.73 - 0.22   0.54     10 -  2   5469   3168 -935.58
  LANDING -  2712   81.0 - 1.[illegible] -  79.7   2765   3.63   5.54   2.88 - 0.09   0.43 -  264    4  18935   5187

107437    CLOCK REQUEST @ READACCS                    T1=30750    SECONDS RUNNING    397931.281049    5719
107447    CLOCK REQUEST @ PIPSDONE                    T1=30750    SECONDS RUNNING    397931.282232    5618
076[illegible]    CLOCK REQUEST @ SERVICER                    T1=30751    SECONDS RUNNING    397931.293678    4641
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077123	CLCCK REQUEST) RUSUPDAT	T1=31010	SECONDS RUNNING	397931.604849	8088
077251	CLCCK REQUEST a RUPDATED	T1=31022	SECONDS RUNNING	397931.709811	9131
077257	CLCCK REQUEST @ VELUPDAT	T1=31023	SECONDS RUNNING	397931.710426	9079
077455	CLCCK REQUEST ! VUPDATED	T1=31036	SECONDS RUNNING	397931.825021	9300
DISPLAYS =	64 [illegible]6 64 +39X43 -00831 +02930				397932.000021
100632	CLCCK REQUEST [illegible] DGIMS	T1=31060	SECONDS RUNNING	397932.001063	4278
07341[illegible]	CLCCK REQUEST [illegible] LUNLANC	T1=31061	SECONDS RUNNING	397932.010723	3453
07247	CLCCK REQUEST 9 CISPEXIT	T1=31211	SECONDS RUNNING	397932.890896	8345
DISPLAYS =	64 16 64 +39X43 -00791 +02930				397933.000000

SNAPSHOT [illegible] SECONDS RUNNING 397933.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V		LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	OPPX	DGX	THRUST	RCS	APOLU
				FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	OPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397933.2	1736754 -	22.8	2.19 -	22.0 -	2.97 -	3.94	2.67 -	5.39 -	0.03 -	0.43	451 -	1	4899	575.2	0.55
110:32:15 -	151	2.2	0.11	271.1	336.67	119.99	30.03 -	30.15 -	0.22	0.21	20 -	1	5481	3135	-935.65
LANDING -	2551	73.4 -	1.25 -	75.7	2627	3.53	5.38	2.65	0.26	0.10 -	256	4	18902	5187	
107437	CLOCK REQUEST @ REALACCS							T1=31260		SECONDS RUNNING			397933.281106		5047
107447	CLOCK REQUEST @ PIPSDONE							T1=31260		SECONDS RUNNING			397933.282289		4946
076206	CLOCK REQUEST @ SERVICER							T1=31261		SECONDS RUNNING			397933.291079		4196
077127	CLOCK REQUEST @ POSUPDAT							T1=31320		SECONDS RUNNING			397933.603556		7532
077251	CLOCK REQUEST @ RUPDATED							T1=31332		SECONDS RUNNING			397933.705039		8872
077257	CLOCK REQUEST @ VELUPDAT							T1=31332		SECONDS RUNNING			397933.705454		8819
077455	CLOCK REQUEST @ VUPDATED							T1=31346		SECONDS RUNNING			397933.825638		8581
DISPLAYS =	64 06 6			+99X43	-00790	+02767									397934.000017
10163	CLOCK REQUEST @ PIGINS							T1=31370		SECONDS RUNNING			397934.001057		3612
07241	CLOCK REQUEST @ LUNLAND							T1=31370		SECONDS RUNNING			397934.008045		3015
073427	CLOCK REQUEST @ CISPEXIT							T1=31521		SECONDS RUNNING			397934.890458		7716
397935.2	1736719 -	21.8	2.19 -	15.6 -	2.97 -	3.55	2.59 -	5.19	0.03 -	0.32	445 -	1	4843	575.2	0.52
110:32:15 -	143	2.5	0.11	263.1	336.66	119.63	29.67	29.79	0.26 -	0.00	19 -	1	5492	3103	-935.71
LANDING -	2396	75.9 -	1.24 -	71.9	2496	3.52	5.19	2.58	0.13	0.43 -	249	3	18870	5187	
107437	CLOCK REQUEST @ REALACCS							T1=31570		SECONDS RUNNING			397935.281048		4386
107447	CLOCK REQUEST @ PIPSDONE							T1=31570		SECONDS RUNNING			397935.282230		4285
076206	CLOCK REQUEST @ SERVICER							T1=31571		SECONDS RUNNING			397935.292966		3369
077127	CLOCK REQUEST @ POSUPDAT							T1=31630		SECONDS RUNNING			397935.601856		7010
077251	CLOCK REQUEST @ RUPDATED							T1=31642		SECONDS RUNNING			397935.704385		8261
077257	CLOCK REQUEST @ VELUPDAT							T1=31642		SECONDS RUNNING			397935.705000		8208
077455	CLOCK REQUEST @ VUPDATED							T1=31656		SECONDS RUNNING			397935.822638		8170
DISPLAYS =	64 06 6			+99X43	-00750	+02617									397936.000008
10162	CLOCK REQUEST @ PIGINS							T1=31700		SECONDS RUNNING			397936.001545		2903

072410 CLOCK REQUEST @ LUNLAND T1=31701 SECONDS RUNNING 397936.011982 2013

072437 CLOCK REQUEST @ DISPEXIT T1=32031 SECONDS RUNNING 397936.898364 6375

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397937.2	1736667 -	2.7	2.07 -	17.8 -	2.97 -	3.27	2.15 -	5.11	0.13 -	0.43	441 -	1	4774	575.1	0.48
110:32:17 -	139	2.7	1.5	255.2	336.66	119.63	29.69	29.78	0.11 -	0.00	16 -	1	5503	3071	-935.77
LANDING -	2246	73.5 -	1.22 -	68.2	2372	3.23	5.10	2.17 -	0.58	0.54 -	245	4	18838	5187	

107437 CLOCK REQUEST @ READACCS T1=32100 SECONDS RUNNING 397937.261044 3719

107447 CLOCK REQUEST @ RIPSDONE T1=32100 SECONDS RUNNING 397937.282227 3618

076[illegible] CLOCK REQUEST @ SERVICER T1=32101 SECONDS RUNNING 397937.294388 2581

077257 CLOCK REQUEST @ VELUPDAT T1=32140 SECONDS RUNNING 397937.605028 6073

077459 CLOCK REQUEST @ VUPDATED T1=32153 SECONDS RUNNING 397937.712705 6884

10163_ CLOCK REQUEST @ RCGINS T1=32175 SECONDS RUNNING 397937.894296 1389

072410 CLOCK REQUEST @ LUNLAND T1=32176 SECONDS RUNNING 397937.904445 0522

DISPLAYS = 64 06 64 +99X42 -00712 +02477 397938.000023

072437 CLOCK REQUEST @ DISPEXIT T1=32326 SECONDS RUNNING 397938.782913 5560

DISPLAYS = 64 06 64 +99X42 -00672 +02477 397939.000000

397939.2	1736627 -	1.6	2.14 -	16.4 -	2.96 -	3.05	1.64 -	5.06	0.07 -	0.43	434 -	1	4718	575.1	0.46
110:32:19 -	135	2.8	1.04	247.3	336.66	119.68	29.75	29.82 -	0.29	0.21	12 -	1	5514	3039	-935.83
LANDING -	2101	71.1 -	1.21 -	64.7	2255	2.79	5.06	1.63 -	0.36	0.21 -	242	4	18807	5187	

107437 CLOCK REQUEST @ READACCS T1=32410 SECONDS RUNNING 397939.281041 3053

107447 CLOCK REQUEST @ RIPSDONE T1=32410 SECONDS RUNNING 397939.282225 2952

076[illegible] CLOCK REQUEST @ SERVICER T1=32410 SECONDS RUNNING 397939.289989 2289

077127 CLOCK REQUEST @ RESUPDAT T1=32447 SECONDS RUNNING 397939.596945 6096

077251 CLOCK REQUEST @ VUPDATED T1=32461 SECONDS RUNNING 397939.699869 7313

077257 CLOCK REQUEST @ VELUPDAT T1=32462 SECONDS RUNNING 397939.701679 7159

077459 CLOCK REQUEST @ VUPDATED T1=32475 SECONDS RUNNING 397939.818498 7190

10163_ CLOCK REQUEST @ RCGINS T1=32517 SECONDS RUNNING 397939.991042 2466

072410 CLOCK REQUEST @ LUNLAND T1=32517 SECONDS RUNNING 397939.999973 1704

DISPLAYS = 64 06 64 +99X42 -00675 +02325 397940.000020

073437 CLOCK REQUEST @ DISPLXIT T1=32647 SECONDS RUNNING 397940.877710 6804

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R V A	LATVEL	LAT	YAW	BALL-P	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)	FORVEL	LONG	PITCH	BALL-Y	COUY	GRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Z	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397941.02	17.6589 - 1[illegible].06	2.11 - 14.06	- 2.96	- 2.73	1.71 -	4.91 -	0.03 -	0.32	431	0	4664	575.1	0.43
110:32:21 -	175 3.6	2.67 23.5	336.65	119.70	29.78	29.84 -	0.27	0.21	5 -	1	5524	3008	-935.89
LANDING -	1961 68.6 - 1.0[illegible] -	61.3	2141	2.95	4.91	1.70	0.25	0.43 -	240	3	18775	5187	

107437 CLOCK REQUEST @ LEADACCS T1=32720 SECONDS RUNNING 397941.281062 2384

107447 CLOCK REQUEST @ PIPSDONE T1=32720 SECONDS RUNNING 397941.282245 2284

076206 CLOCK REQUEST @ SERVICER T1=32721 SECONDS RUNNING 397941.295481 1154

077127 CLOCK REQUEST @ PCSUPDAT T1=32760 SECONDS RUNNING 397941.602410 4963

077251 CLOCK REQUEST @ RUPDATED T1=32772 SECONDS RUNNING 397941.705205 6191

077257 CLOCK REQUEST @ VELUPDAT T1=32772 SECONDS RUNNING 397941.705819 6139

077455 CLOCK REQUEST @ VUPDATED T1=33006 SECONDS RUNNING 397941.825515 5925

DISPLAYS = 64 06 64 +99X42 -00640 +02222 397942.000008

101652 CLOCK REQUEST @ XCGIMS T1=33030 SECONDS RUNNING 397942.002979 0781

072410 CLOCK REQUEST @ LUNLAND T1=33031 SECONDS RUNNING 397942.013429 9889

073437 CLOCK REQUEST @ DISPEXIT T1=33160 SECONDS RUNNING 397942.867147 5332

DISPLAYS = 64 06 64 +99X42 -00640 +02107 397943.000000

397943.02	17.6[illegible]52 - 17.0[illegible] 2.16 -	13.0 -	2.96 -	2.62	1.31 -	4.75	0.04 -	0.21	427 -	1	4594	575.1	0.40
110:32:23 -	121 3.1	2.05 23.7	336.65	119.97	30.05	30.11	0.19	0.54	6 -	1	5525	2977	-535.94
LANDING -	1926 66.2 - 1.0[illegible] -	58.1	2012	2.66	4.75	1.70	0.01	0.32 -	239	4	18745	5187	

107437 CLOCK REQUEST @ LEADACCS T1=33230 SECONDS RUNNING 397943.281060 1718

107447 CLOCK REQUEST @ PIPSDONE T1=33230 SECONDS RUNNING 397943.282266 1615

076206 CLOCK REQUEST @ SERVICER T1=33231 SECONDS RUNNING 397943.292021 0783

077127 CLOCK REQUEST @ PCSUPDAT T1=33271 SECONDS RUNNING 397943.611407 3528

077251 CLOCK REQUEST @ UPDATED T1=33303 SECONDS RUNNING 397943.711367 4998

077257	CLCCK REQUEST @ V-LUPDAT	T1=33303	SECONDS RUNNING	397943.711982	4946
077455	CLCCK REQUEST @ VUPDATED	T1=33317	SECONDS RUNNING	397943.832082	4697

DISPLAYS = 64 06 64 +57X42 -00607 +02107 397944.000019

101632	CLCCK REQUEST @ RECIPS	T1=33341	SECONDS RUNNING	397944.011102	9421
072410	CLCCK REQUEST @ LUNLAND	T1=33341	SECONDS RUNNING	397944.017485	8876
073637	CLCCK REQUEST @ DISPEXIT	T1=33471	SECONDS RUNNING	397944.894479	4040

DISPLAYS = 64 06 64 +97X42 -00607 +01907 397945.000019

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
397945.2	176518 - 1.07	2.16 - 11.	- 2.96	- 2.20	0.63	- 4.71	0.16	- 0.21	421	- 1	4519	574.9	0.38
110:32:25 -	117 3.2	2.2	224.0	336.64	119.40	29.48	29.50	0.33	0.10	4 - 1	5546	2947	-935.99
LANDING -	1695 63.9	- 1.15 -	55.1	1890	2.04	4.70	0.62	0.12	- 0.10	- 235 4	18714	5187	

107437	CLCCK REQUEST @ READACCS	T1=33540	SECONDS RUNNING	397945.281056	1052
107447	CLCCK REQUEST @ PIPSDONE	T1=33540	SECONDS RUNNING	397945.282238	0951
076206	CLCCK REQUEST @ SESVICEK	T1=33541	SECONDS RUNNING	397945.290659	0232
077127	CLCCK REQUEST @ RC-UPDAT	T1=33600	SECONDS RUNNING	397945.607064	3232
077251	CLCCK REQUEST @ RUPDATED	T1=33612	SECONDS RUNNING	397945.709228	4514
077257	CLCCK REQUEST @ VELUPDAT	T1=33612	SECONDS RUNNING	397945.709843	4462
077455	CLCCK REQUEST @ VUPDATED	T1=33626	SECONDS RUNNING	397945.826196	4533

DISPLAYS = 64 06 64 +55X42 -00575 +01992 397946.000022

101632	CLCCK REQUEST @ RECIPS	T1=33650	SECONDS RUNNING	397946.001063	9611
072410	CLCCK REQUEST @ LUNLAND	T1=33650	SECONDS RUNNING	397946.007591	9054
073637	CLCCK REQUEST @ DISPEXIT	T1=34000	SECONDS RUNNING	397946.887332	3983

397947.2 176485 - 15.8 - 10.6 - 2.96 - 1.94 1.38 - 4.60 0.04 - 0.10 416 - 1 4460 574.6 0.36
110:32:27 - 117 3.2 - 0.1 218.6 336.64 119.09 29.18 29.24 0.17 0.21 3 - 1 5556 2917 -936.04
LANDING - 1570 61.6 - 1.1 - 52.2 1773 2.86 4.60 1.38 - 0.28 0.54 - 229 3 18684 5187

107437	CLCCK REQUEST @ READACCS	T1=34050	SECONDS RUNNING	397947.281337	0361
107447	CLCCK REQUEST @ PIPSDONE	T1=34050	SECONDS RUNNING	397947.282520	0260

076200	CLOCK REQUEST @ SERVICER	T1=34051	SECONDS RUNNING	397947.290281	9598
077127	CLOCK REQUEST @ PCSUPDAT	T1=34110	SECONDS RUNNING	397947.606067	2651
077251	CLOCK REQUEST @ RUPDATED	T1=34122	SECONDS RUNNING	397947.703547	4332
077257	CLOCK REQUEST @ VELUPDAT	T1=34122	SECONDS RUNNING	397947.704162	4280
077455	CLOCK REQUEST @ VUPDATED	T1=34136	SECONDS RUNNING	397947.826601	3832
DISPLAYS =	4 06 64 +03X42 -00545 +01879				397948.000018
101032	CLOCK REQUEST @ REGIMS	T1=34160	SECONDS RUNNING	397948.001674	8892
072410	CLOCK REQUEST @ LUNLAND	T1=34161	SECONDS RUNNING	397948.012104	8002
073437	CLOCK REQUEST @ DISPEXIT	T1=34311	SECONDS RUNNING	397948.894842	2675
DISPLAYS =	64 06 64 +03X42 -00545 +01768				397949.000022

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (SAMPLE MEMBER COORES) METRIC UNITS	A	LATVEL / FERVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-P / BALL-Y	COUX / CDUY / CDUZ	RRATE / QRATE / PRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397949.66	17[illegible]454 -	15.6	3[illegible] -	9.2 -	2.96 -	1.61	1.10 -	4.44 -	0.06 -	0.00	412 -	1	4422	574.8	0.34
110132:2[illegible] -	102	3.3	0.4	209.3	336.63	119.00	29.10	29.14 -	0.64	0.43	4 -	1	5567	2686	-936.08
LANDING -	1449	55.3 -	1.11 -	45.5	1663	2.68	4.45	1.09 -	0.42	0.54 -	223	4	18655	5187	

107437	CLOCK REQUEST @ READACCS	T1=34360	SECONDS RUNNING	397949.281041	9720
107447	CLOCK REQUEST @ TPSDONE	T1=34360	SECONDS RUNNING	397949.282224	9619
76[illegible]00	CLOCK REQUEST @ SERVICER	T1=34361	SECONDS RUNNING	397949.291311	8843
077127	CLOCK REQUEST @ PCSUPDAT	T1=34420	SECONDS RUNNING	397949.602415	2296
077251	CLOCK REQUEST @ RUPDATED	T1=34432	SECONDS RUNNING	397949.702174	3783
077257	CLOCK REQUEST @ VELUPDAT	T1=34432	SECONDS RUNNING	397949.702789	3730
077455	CLOCK REQUEST @ VUPDATED	T1=34446	SECONDS RUNNING	397949.823490	3431
DISPLAYS =	64 06 64 +01X41 -00517 +01768				397950.000002
101032	CLOCK REQUEST @ REGIMS	T1=34470	SECONDS RUNNING	397950.001043	8279
72410	CLOCK REQUEST @ LUNLAND	T1=34470	SECONDS RUNNING	397950.008888	7610
073437	CLOCK REQUEST @ DISPEXIT	T1=34620	SECONDS RUNNING	397950.869568	2459
DISPLAYS =	64 06 64 +01X41 -00519 +01768				397951.000000

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397951.2  1736425 -  14.2   2.11 -   7.9 -  2.96 -  1.31   0.62 -  4.32   0.09 - 0.00   411   0   4386  574.7   0.32
110:32:31 -    98    4.4   3.63   202.0  336.63  118.79  28.89  28.51 - 0.17   0.32     3 -  1   5577  285.8 -936.13
  LANDING -  1333   57.1 - 1.0 -  46.8    1559    2.28   4.32   0.62   0.30 - 0.00 - 223   4  18625   5187

  107437   CLOCK REQUEST @ BADACCS                          T1=34670   SECONDS RUNNING   397951.261098   9048

  107447   CLOCK REQUEST @ PIPSDONE                         T1=34670   SECONDS RUNNING   397951.282280   8947

  76200    CLOCK REQUEST @ SERVICER                         T1=34671   SECONDS RUNNING   397951.290694   8229

  077127   CLOCK REQUEST @ FCSUPDAT                         T1=34730   SECONDS RUNNING   397951.602518   1620

  077251   CLOCK REQUEST @ FUPDATED                         T1=34742   SECONDS RUNNING   397951.704824   2890

  077257   CLOCK REQUEST @ VELUPDAT                         T1=34742   SECONDS RUNNING   397951.705439   2838

  077455   CLOCK REQUEST @ VUPDATED                         T1=34756   SECONDS RUNNING   397951.822090   2883

DISPLAYS =   54   06   64          +19X41  -00489  +01661                                                397952.000006

  101632   CLOCK REQUEST @ LGIMS                            T1=35000   SECONDS RUNNING   397952.001105   7607

  072410   CLOCK REQUEST @ LUNLAND                          T1=35000   SECONDS RUNNING   397952.003317   7419

  072437   CLOCK REQUEST @ DISPEXIT                         T1=35127   SECONDS RUNNING   397952.878132   2768

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME      R        V        A    LATVEL   LAT    YAW   BALL-P   COUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APDLU
            (STABLE MEMBER COORDS)  FERVEL  LONG  PITCH  BALL-P   COUY   CRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING      METRIC UNITS        ALTRATE   ALT   ROLL  BALL-Y   COUZ   FRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397952.2  17.6397 -  13.4   2.0 -   7.0 -  2.96 -  1.08   0.55 -  4.28   0.13 - 0.00   411 -  1   4317  574.7   0.30
110:32:53 -    38    3.4   0.01   194.9  336.62  118.38  28.47  28.45   0.04   0.10     0 -  1   5587  282.9 -936.17
  LANDING -  1221   54.0 - 1.0 -  44.0    1460    2.28   4.27   0.54 - 0.04   0.21 - 216   3  18596   5187

  107437   CLOCK REQUEST @ BADACCS                          T1=35200   SECONDS RUNNING   397953.281041   8386

  107447   CLOCK REQUEST @ PIPSDONE                         T1=35200   SECONDS RUNNING   397953.282223   8285

  076200   CLOCK REQUEST @ SERVICER                         T1=35201   SECONDS RUNNING   397953.296226   7090

  77127    CLOCK REQUEST @ FCSUPDAT                         T1=35240   SECONDS RUNNING   397953.604768   0762

  077251   CLOCK REQUEST @ FUPDATED                         T1=35252   SECONDS RUNNING   397953.706971   2040

  077257   CLOCK REQUEST @ VELUPDAT                         T1=35252   SECONDS RUNNING   397953.707586   1988

  077455   CLOCK REQUEST @ VUPDATED                         T1=35266   SECONDS RUNNING   397953.825123   1958

DISPLAYS =   54   06   64          +37X41  -00462  +01555                                                397954.000014

  101632   CLOCK REQUEST @ LGIMS                            T1=35310   SECONDS RUNNING   397954.001055   6945
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07241[illegible]	CLOCK REQUEST 1 LUNLAND	T1=35310	SECONDS RUNNING	397954.009798	6199
073437	CLOCK REQUEST 2 DISPEXIT	T1=35441	SECONDS RUNNING	397954.893569	0784
DISPLAYS =	64 06 64 +7X41 -00462 +01461				397955.000007

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F METRIC UNITS	V (STABLE MEMBER COORD.) ALTRATE	LATVEL FORVEL	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE CRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397955.2	076271 - 1[illegible]	[illegible] -	6.1 -	2.95 -	0.81	0.20 -	4.18 -	0.02 -	0.00	405 -	1	4256	576.6	0.28
110:32:35 -	83	3.5	1.0[illegible]	1870.8	336.62	117.97	28.06	28.07	0.28 -	0.00	0 -	1	5597	2801 -936.21
LANDING -	1114	52.8 -	1.1 -	41.5	1366	2.00	4.18	0.20 -	0.60	0.10 -	213	4	18568	5187
107[illegible]	CLOCK REQUEST 3 PEMLACCS						T1=35510		SECONDS RUNNING				397955.281250	7702
107447	CLOCK REQUEST 4 PIPSDONE						T1=35510		SECONDS RUNNING				397955.282433	7601
076[illegible]	CLOCK REQUEST 5 SERVICER						T1=35511		SECONDS RUNNING				397955.291236	6850
077127	CLOCK REQUEST 6 FLSUPDAT						T1=35550		SECONDS RUNNING				397955.603715	0185
077251	CLOCK REQUEST 7 RUPDATED						T1=35562		SECONDS RUNNING				397955.708562	1238
077257	CLOCK REQUEST 8 VELUPDAT						T1=35562		SECONDS RUNNING				397955.709177	1185
077[illegible]	CLOCK REQUEST 9 VUPDATED						T1=35576		SECONDS RUNNING				397955.826202	1199
DISPLAYS =	64 06 64 +85X40 -00436 +01461													397956.000001
1[illegible]1032	CLOCK REQUEST 0 RDGIMS						T1=35620		SECONDS RUNNING				397956.002815	6128
07241	CLOCK REQUEST 1 LUNLAND						T1=35621		SECONDS RUNNING				397956.014579	5124
073437	CLOCK REQUEST 2 DISPEXIT						T1=35751		SECONDS RUNNING				397956.891975	0253
DISPLAYS =	64 06 64 +85X40 -00431 +01461													397957.000000
397957.2	076247 - 1[illegible]	[illegible] -	4.8 -	2.95 -	0.42	0.63 -	3.97	0.02	0.10	399 -	1	4210	574.5	0.26
110:32:37 -	74	3.4	1.02	181.2	246.62	117.87	27.98	28.00 -	0.60	0.10	0 -	1	5607	2773 -936.24
LANDING -	1111	50.7 -	1.0 -	39.3	1278	2.52	3.97	0.63	0.24	0.43 -	205	3	18539	5187
1[illegible]7437	CLOCK REQUEST 3 PEMLACCS						T1=36020		SECONDS RUNNING				397957.281040	7053
107447	CLOCK REQUEST 4 PIPSDONE						T1=36020		SECONDS RUNNING				397957.282222	6952
076[illegible]	CLOCK REQUEST 5 SERVICER						T1=36020		SECONDS RUNNING				397957.289978	6290
077127	CLOCK REQUEST 6 FLSUPDAT						T1=36061		SECONDS RUNNING				397957.610518	8938
077251	CLOCK REQUEST 7 RUPDATED						T1=36072		SECONDS RUNNING				397957.713044	0189

077257	CLOCK REQUEST a VELUPDAT	T1=36073	SECONDS RUNNING	397957.713660	0136
077455	CLOCK REQUEST a VUPDATED	T1=36106	SECONDS RUNNING	397957.829877	0219
DISPLAYS =	54 6 66 +03X40 -00411 +01368				397958.000003
1[illegible]	CLOCK REQUEST a REGIMS	T1=36130	SECONDS RUNNING	397958.002132	5520
072410	CLOCK REQUEST a LUNLAND	T1=36131	SECONDS RUNNING	397958.012566	4629
073437	CLOCK REQUEST a DISPEXIT	T1=36261	SECONDS RUNNING	397958.896149	9230

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			RCVEL	LONG	PITCH	BALL-P	COUY	CRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
				ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
357959.6	176323 -	11.2	13.6 -	4.1 -	2.9 -	0.19	0.18 -	3.90	0.15	0.10	397 -	1	4202	574.2	0.25
110:32:39 -	69	2.5	0.00	174.4	336.61	117.99	28.09	28.09 -	0.73	0.43 -	5 -	1	5616	2745	-936.28
LANDING -	912	43.6 -	1.92 -	37.1	1194	2.16	3.89	0.18	0.45	0.21 -	206	4	18511	5187	
107417	CLOCK REQUEST a READACCS							T1=36330		SECONDS RUNNING			397959.281041		6386
107447	CLOCK REQUEST a PIPSDONE							T1=36330		SECONDS RUNNING			397959.282224		6285
076266	CLOCK REQUEST a SERVICER							T1=36331		SECONDS RUNNING			397959.291037		5533
077167	CLOCK REQUEST a PCSUPDAT							T1=36367		SECONDS RUNNING			397959.599821		9184
077251	CLOCK REQUEST a RUPDATED							T1=36401		SECONDS RUNNING			397959.698712		0745
077317	CLOCK REQUEST a VLUPDAT							T1=36401		SECONDS RUNNING			397959.699339		0692
077455	CLOCK REQUEST a VUPDATED							T1=36416		SECONDS RUNNING			397959.822133		0213
DISPLAYS =	64 76 64 +01X40 -00388 +01280														397960.000012
101[illegible]	CLOCK REQUEST a REGIMS							T1=36440		SECONDS RUNNING			397960.001073		4944
072410	CLOCK REQUEST a LUNLAND							T1=36441		SECONDS RUNNING			397960.011930		4017
073437	CLOCK REQUEST a DISPEXIT							T1=36571		SECONDS RUNNING			397960.895687		8603
DISPLAYS =	64 76 64 +01X40 -00383 +01195														397961.000006
397961.6	176301 -	10.6	13.4 -	3.5 -	2.95	0.00	359.51 -	3.85	0.02	0.21	399	0	4143	574.0	0.23
110:32:41 -	59	3.5	15	167.6	336.61	118.01	28.06	28.08	0.25	0.43 -	4 -	1	5626	2717	-936.31
LANDING -	117	4.6 -	0.1 -	34.8	1116	1.57	3.85 -	0.48	0.21 -	0.13 -	207	3	18483	5187	
107417	CLOCK REQUEST a READACCS							T1=36640		SECONDS RUNNING			397961.281174		5708
107447	CLOCK REQUEST a PIPSDONE							T1=36640		SECONDS RUNNING			397961.282379		5605

076[illegible]	CLOCK REQUEST [illegible] SERVICES	T1=36641	SECONDS RUNNING	397961.292151	4772
077127	CLOCK REQUEST [illegible] POSUPDAT	T1=36700	SECONDS RUNNING	397961.609117	7724
077251	CLOCK REQUEST [illegible] RUPDATED	T1=36712	SECONDS RUNNING	397961.707942	9291
077257	CLOCK REQUEST [illegible] VELUPDAT	T1=36712	SECONDS RUNNING	397961.708557	9238
077455	CLOCK REQUEST [illegible] VUPDATED	T1=36726	SECONDS RUNNING	397961.828497	9003
DISPLAYS =	64 06 64 +79X4C -[illegible] +01196				397962.000001
101[illegible]	CLOCK REQUEST [illegible] RECIMS	T1=36750	SECONDS RUNNING	397962.002379	4165
07241	CLOCK REQUEST [illegible] LUNLAND	T1=36751	SECONDS RUNNING	397962.013854	3186
0734 7	CLOCK REQUEST [illegible] DISPEXIT	T1=37101	SECONDS RUNNING	397962.853344	8136
DISPLAYS =	64 06 64 +79X4C -[illegible] +01196				397963.000015

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F (STABLE METRIC	V MEMBER UNITS	[illegible] COORDS)	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-F BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397963.6[illegible]	1736281 -	9.9	1.[illegible] -	2.9 -	2.95	0.27	359.89 -	3.75 -	0.08	0.32	393 -	1	4064	573.7	0.22
110:32:49 -	55	3.5 -	[illegible]	161.1	336.61	117.41	27.50	27.49 -	0.00	0.32 -	7 -	1	5635	2689	-936.34
LANDING -	727	44.6 -	7.[illegible] -	42.7	1052	1.99	3.75 -	0.09 -	0.76	0.32 -	198	4	18456	5187	

107437	CLOCK REQUEST [illegible] READACCS	T1=37150	SECONDS RUNNING	397963.261040	5053
107447	CLOCK REQUEST [illegible] PIPSDONE	T1=37150	SECONDS RUNNING	397963.282222	4952
076[illegible]	CLOCK REQUEST [illegible] SERVICES	T1=37150	SECONDS RUNNING	397963.289977	4290
077127	CLOCK REQUEST [illegible] POSUPDAT	T1=37210	SECONDS RUNNING	397963.603568	7531
077251	CLOCK REQUEST [illegible] RUPDATED	T1=37221	SECONDS RUNNING	397963.699635	9333
077257	CLOCK REQUEST [illegible] VELUPDAT	T1=37222	SECONDS RUNNING	397963.701444	9179
0774 5	CLOCK REQUEST [illegible] VUPDATED	T1=37236	SECONDS RUNNING	397963.823319	8779
DISPLAYS =	64 06 64 +77X4C -[illegible] +01117				397964.000021
101[illegible]	CLOCK REQUEST [illegible] RECIMS	T1=37260	SECONDS RUNNING	397964.001061	3611
07241	CLOCK REQUEST [illegible] LUNLAND	T1=37260	SECONDS RUNNING	397964.009792	2866
0734 7	CLOCK REQUEST [illegible] DISPEXIT	T1=37411	SECONDS RUNNING	397964.891227	7650

397965.6[illegible]	[illegible] -	9.3	1.[illegible] -	2.4 -	2.95	0.47	359.91 -	3.73	0.04	0.21	388 -	1	4044	573.6	0.21
110:32:45 -	46	3.5	[illegible]	154.7	336.61	115.74	26.83	26.82 -	0.03 -	0.00 -	7	0	5645	2662	-936.37

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LANDING -   [illegible]7   42.[illegible] - [illegible] - 30.[illegible]   1002   2.04   3.73 - 0.0[illegible] - 0.29   0.10 - 194   3  18428   5187

  107437   CLOCK REQUEST 1 RADACCS                          T1=37460   SECONDS RUNNING   397965.281046   4386
  107447   CLOCK REQUEST 2 PIPSCONE                         T1=37460   SECONDS RUNNING   397965.282228   4285
  076200   CLOCK REQUEST 4 SERVICER                         T1=37461   SECONDS RUNNING   397965.294689   3222
  077127   CLOCK REQUEST 8 POSUPDAT                         T1=37520   SECONDS RUNNING   397965.602372   6966
  077251   CLOCK REQUEST 4 RUPDATED                         T1=37532   SECONDS RUNNING   397965.705036   8205
  077257   CLOCK REQUEST 8 VELUPDAT                         T1=37532   SECONDS RUNNING   397965.705650   8153
  077455   CLOCK REQUEST 4 VUPDATED                         T1=37546   SECONDS RUNNING   397965.823198   8122
DISPLAYS =   64   06   64          +75X39  -00323  +01049                                                397966.000008
  101[illegible]   CLOCK REQUEST 8 RUGIMS                   T1=37570   SECONDS RUNNING   397966.001049   2946
  07241[illegible]   CLOCK REQUEST 8 LUNLAND                T1=37570   SECONDS RUNNING   397966.007295   2413
  073437   CLOCK REQUEST 8 LISEEXIT                         T1=37720   SECONDS RUNNING   397966.889395   7140
DISPLAYS =   64   06   64          +75X39  -00323  +00987                                                397967.000011

                                  UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      R          V          A    LATVEL   LAT     YAW    BALL-R   COUX   PRATE   ATT-X   DPPX   DGX   THRUST   RCS    APOLU
            (STABLE MEMBER COORDS)     FERVEL   LONG   PITCH   BALL-P   COUY   QRATE   ATT-Y   DPPY   DGY   DELTAV   DPS    PERILU
 LANDING      METRIC UNITS             ALTRATE   ALT    ROLL    BALL-Y   COUZ   RRATE   ATT-Z   DPPZ   DGZ    MASS    APS
 397967.0[illegible]   736243 -  8.7  1.[illegible] -  2.1 -  2.95   0.62  359.75 -  3.74   0.06   0.32   389 -  1   3998   573.5    0.20
110:32:47 -    42    3.5 -  3.01   14.04  336.60  117.99   27.18   27.18 -  0.25   0.43 -    6 -  1   5654   2636 -936.39
 LANDING -    554    4.7 -  2.9[illegible] -  28.8    556    2.00    3.74 -  0.24   0.70 - 0.00 - 190   4  18401   5187

  107437   CLOCK REQUEST 1 RADACCS                          T1=37770   SECONDS RUNNING   397967.261040   3720
  107447   CLOCK REQUEST 2 PIPSCONE                         T1=37770   SECONDS RUNNING   397967.282222   3619
  076200   CLOCK REQUEST 4 SERVICER                         T1=37771   SECONDS RUNNING   397967.291017   2868
  077127   CLOCK REQUEST 8 POSUPDAT                         T1=00030   SECONDS RUNNING   397967.604648   6105
  077251   CLOCK REQUEST 4 RUPDATED                         T1=00042   SECONDS RUNNING   397967.704228   7608
  077257   CLOCK REQUEST 8 VELUPDAT                         T1=00042   SECONDS RUNNING   397967.704842   7555
  077455   CLOCK REQUEST 4 VUPDATED                         T1=00056   SECONDS RUNNING   397967.824732   7325
DISPLAYS =   64   06   64          +75X39  -00304  +00987                                                397968.000021
  101[illegible]   CLOCK REQUEST 8 RUGIMS                   T1=00100   SECONDS RUNNING   397968.002810   2129
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072[illegible]	CLOCK REQUEST @ LUNLANC	T1=CC1C1 SECONDS RUNNING	397968.014549	1127
07240[illegible]	CLOCK REQUEST @ DISPEXIT	T1=00231 SECONDS RUNNING	397968.896110	5900

DISPLAYS = 64 06 14 +72X38 -CC3[illegible] +CC9[illegible] 397969.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-R BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397969.02	1736226 -	807	1.07 -	1.07 -	2.95	0.85	359.34 -	3.71 -	C.C5	0.32	384 -	1	3936	573.3	0.19
110:32:49 -	23	3.4 -	0.0[illegible]	142.3	336.60	116.78	26.86	26.83 -	0.37	0.21 -	7 -	1	5663	2609	-936.42
LANDING -	476	37.3 -	0.0 -	27.0	912	1.65	3.70 -	C.64 -	C.C7 -	0.10 -	187	3	18375	5187	

107437	CLOCK REQUEST @ [illegible]	T1=00300 SECONDS RUNNING	397969.281059	3051
107447	CLOCK REQUEST @ RIPSDONE	T1=CC3C0 SECONDS RUNNING	397969.282241	2951
076206	CLOCK REQUEST @ SERVICER	T1=00303 SECONDS RUNNING	397969.291934	2123
077127	CLOCK REQUEST @ RESUPDAT	T1=00337 SECONDS RUNNING	397969.596948	6096
077251	CLOCK REQUEST @ RUPDATED	T1=00351 SECONDS RUNNING	397969.698737	7410
077257	CLOCK REQUEST @ VELUPDAT	T1=00351 SECONDS RUNNING	397969.699352	7357
77455	CLOCK REQUEST @ VUPDATED	T1=CC365 SECONDS RUNNING	397969.816198	7386
101632	CLOCK REQUEST @ RDGIMS	T1=00407 SECONDS RUNNING	397969.991046	2466
07241	CLOCK REQUEST @ LUNLANC	T1=CC4C7 SECONDS RUNNING	397969.998628	1819

DISPLAYS = 64 6 54 +71X49 -10284 +009[illegible] 397970.000012

073437	CLOCK REQUEST @ DISPEXIT	T1=CC537 SECONDS RUNNING	397970.878196	6762

397971.02	1736210 -	7.7	1.07 -	1.4 -	2.95	1.07	355.44 -	3.66	0.02	0.32	381	0	3892	573.2	0.18
110:32:51 -	24	3.4 -	0.0[illegible]	136.2	336.60	116.22	26.30	26.27	C.29 -	0.09 -	10	0	5672	2583	-936.44
LANDING -	397	37.0 -	0.0 -	25.3	871	1.78	3.66 -	C.56 -	C.60 -	0.00 -	185	3	18248	5187	

107437	CLOCK REQUEST @ [illegible]	T1=0C61C SECONDS RUNNING	397971.281040	2386
107447	CLOCK REQUEST @ RIPSDONE	T1=C0610 SECONDS RUNNING	397971.282222	2286
076206	CLOCK REQUEST @ SERVICER	T1=0C611 SECONDS RUNNING	397971.291028	1534
077127	CLOCK REQUEST @ RESUPDAT	T1=0C65C SECONDS RUNNING	397971.609747	4337
07725[illegible]	CLOCK REQUEST @ RUPDATED	T1=0C662 SECONDS RUNNING	397971.708445	5915
077257	CLOCK REQUEST @ VELUPDAT	T1=0C662 SECONDS RUNNING	397971.709060	5862

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077455   CLOCK REQUEST @ VUPDATEC                          T1=0C677      SECONDS RUNNING     397971.831147      5444

DISPLAYS =  64   06   64          +69X39  -0C266  +0C865                                                    397972.000021

101652   CLOCK REQUEST @ RCGIMS                            T1=00721      SECONDS RUNNING     397972.012338      9982

072410   CLOCK REQUEST @ LUNLAND                           T1=00722      SECONDS RUNNING     397972.029188      8544

073437   CLOCK REQUEST @ DISPEXIT                          T1=01C51      SECONDS RUNNING     397972.899300      4295

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        V      A   LATVEL    LAT    YAW   BALL-R   COUX   RPATE  ATT-X  DPPX  DGX  THPLST  PCS   APOLU
(STABLE MEMBER COORDS)  FERVEL   LONG  PITCH   BALL-P   COUY   CRATE  ATT-Y  DPPY  DGY  DELTAV  OPS   PERILU
 LANDING   METRIC UNITS  ALTRATE   ALT   ROLL   BALL-Y   COUZ   RPATE  ATT-Z  DPPZ  DGZ    MASS  APS
397973.2  178195 -  7.2   1.43 -  1.1 -  2.95   1.29  359.88 -  3.65   0.05   0.32   376 -  1  3816  572.1    0.17
110:32:55 -   21     3.3 -  0.0    130.3  336.59  116.26   26.37   26.36 -  0.20   0.21 -   7 -  1  5681  2557 -936.46
 LANDING -   27    35.2 -  0.0 -  23.8    834    2.33    3.65 -  0.12   0.54   0.10 - 176    4 18323  5187

107437   CLOCK REQUEST @ ADACCS                            T1=01120      SECONDS RUNNING     397973.281050      1719

117447   CLOCK REQUEST @ PIPSUCNE                          T1=01120      SECONDS RUNNING     397973.282232      1618

076200   CLOCK REQUEST @ SERVICER                          T1=01121      SECONDS RUNNING     397973.292728      0722

077127   CLOCK REQUEST @ PRESUPDAT                         T1=01160      SECONDS RUNNING     397973.604012      4159

77251    CLOCK REQUEST @ VUPDATEI                          T1=01172      SECONDS RUNNING     397973.708035      5283

77257    CLOCK REQUEST @ V LUPDAT                          T1=01172      SECONDS RUNNING     397973.708650      5230

77455    CLOCK REQUEST @ VUPDATEC                          T1=01206      SECONDS RUNNING     397973.824102      5378

DISPLAYS =  64   06   64          +67X38  -00250  +00842                                                    397974.000020

101652   CLOCK REQUEST @ RCGIMS                            T1=01230      SECONDS RUNNING     397974.001060      0278

072410   CLOCK REQUEST @ LUNLAND                           T1=01231      SECONDS RUNNING     397974.010622      9462

073437   CLOCK REQUEST @ DISPEXIT                          T1=01361      SECONDS RUNNING     397974.892744      4188

DISPLAYS =  64   06   64          +67X38  -00230  +00842                                                    397975.000000

397975.2  173181 -  0.8   1.0 -  0.9 -  2.94   1.47  359.14 -  3.62 - 0.03   0.43   370 -  1  3777  572.9    0.16
110:32:55 -   12     3.3 -  0.0    124.4  336.59  116.10   26.18   26.14 -  0.19   0.21 -  11 -  1  5690  2532 -936.48
 LANDING -   55    23.4 - 0.07 -  22.5    798    1.64    3.63 -  0.85   0.04 -  0.21 - 176    3 18297  5187

107437   CLOCK REQUEST @ ADACCS                            T1=01430      SECONDS RUNNING     397975.281039      1053

117447   CLOCK REQUEST @ PIPSUCNE                          T1=01430      SECONDS RUNNING     397975.282220      0952

076200   CLOCK REQUEST @ SERVICER                          T1=01430      SECONDS RUNNING     397975.289969      0291
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077127	CLOCK REQUEST @ PUSUPDAT	T1=01467	SECONDS RUNNING	397975.597068	4085
077251	CLOCK REQUEST @ KUPDATEC	T1=01501	SECONDS RUNNING	397975.699222	5368
077257	CLOCK REQUEST @ VELUPDAT	T1=01501	SECONDS RUNNING	397975.699837	5316
077455	CLOCK REQUEST @ VUPDATED	T1=01515	SECONDS RUNNING	397975.817464	5278
101632	CLOCK REQUEST @ RECIMS	T1=01537	SECONDS RUNNING	397975.991045	0466
072410	CLOCK REQUEST @ LUNLAND	T1=01537	SECONDS RUNNING	397975.998511	9829
DISPLAYS =	64 06 - +65X38 -00234 +00803				397976.000011
073437	CLOCK REQUEST @ DISPEXIT	T1=01667	SECONDS RUNNING	397976.875044	5031

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL / RORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397977.2	173[illegible] -	[illegible]	1.[illegible] -	0.6 -	2.94	1.71	355.07 -	3.61	0.03	0.63	365 -	1	3733	572.9	0.15
110:32:57 -	4	3.2 -	0.0[illegible]	118.7	336.55	115.86	25.94	25.90	0.12	0.21 -	9	0	5698	2506	-936.50
LANDING -	132	21.6 -	0.86 -	21.2	765	1.65	3.61 -	0.92 -	0.24 -	0.21 -	175	3	18272	5187	

107437	CLOCK REQUEST @ EADACCS	T1=01740	SECONDS RUNNING	397977.281050	0386
107447	CLOCK REQUEST @ PIPSDONE	T1=01740	SECONDS RUNNING	397977.282232	0285
76206	CLOCK REQUEST @ SERVICER	T1=01741	SECONDS RUNNING	397977.285824	9125
077127	CLOCK REQUEST @ PUSUPDAT	T1=02001	SECONDS RUNNING	397977.611292	2205
077251	CLOCK REQUEST @ KUPDATEC	T1=02013	SECONDS RUNNING	397977.711737	3634
077257	CLOCK REQUEST @ VELUPDAT	T1=02013	SECONDS RUNNING	397977.712351	3581
077455	CLOCK REQUEST @ VUPDATED	T1=02026	SECONDS RUNNING	397977.829200	3610
DISPLAYS =	34 06 64 +63X35 -00221 +00787				397978.000011
101632	CLOCK REQUEST @ RECIMS	T1=02050	SECONDS RUNNING	397978.002338	8836
072410	CLOCK REQUEST @ LUNLAND	T1=02051	SECONDS RUNNING	397978.012756	7947
073437	CLOCK REQUEST @ DISPEXIT	T1=02177	SECONDS RUNNING	397978.875457	4329
DISPLAYS =	4 06 64 +63X35 -00203 +00767				397979.000000

397979.2	173[illegible] -	6.1	1.7[illegible] -	0.4 -	2.94	1.96	355.95 -	3.59	0.01	0.43	264 -	1	3659	572.8	0.14
110:12:55 -	1	3.[illegible] -	0.01	113.0	336.59	115.57	25.7[illegible]	25.70	0.27	0.32 -	10 -	1	5707	2482	-936.52
LANDING -	132	29.5 -	0.84 -	20.0	733	2.61	3.58 -	0.04	0.03	0.43 -	170	4	18247	5187	

107437	CLOCK REQUEST @ FACACCS	T1=02250	SECONDS RUNNING	397979.281060	9718
107447	CLOCK REQUEST @ PIFSCONF	T1=02250	SECONDS RUNNING	397979.282264	9615
076206	CLOCK REQUEST @ SERVICER	T1=02251	SECONDS RUNNING	397979.291226	8850
077127	CLOCK REQUEST @ PISUPDAT	T1=02307	SECONDS RUNNING	397979.599332	2559
077251	CLOCK REQUEST @ UPDATEI	T1=02322	SECONDS RUNNING	397979.705426	3505
077257	CLOCK REQUEST @ VELUPDAT	T1=02322	SECONDS RUNNING	397979.706040	3453
077455	CLOCK REQUEST @ VUPDATED	T1=02336	SECONDS RUNNING	397979.821167	3629
DISPLAYS =	64 06 64 +61439 -00209 +00733				397980.000015
101632	CLOCK REQUEST @ RDCINS	T1=02360	SECONDS RUNNING	397980.003608	8061
072410	CLOCK REQUEST @ LUNLAND	T1=02360	SECONDS RUNNING	397980.005818	7872
073437	CLOCK REQUEST @ DISPEXIT	T1=02504	SECONDS RUNNING	397980.843381	6400

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	I	V	A	L/TVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STAMP	NUMBER	COORDS)	FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PEPILU
LANDING		METRIC	UNITS	ALT	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397981.2	1736143 -	5.8	1.77 -	0.1 -	2.94	2.26	359.29 -	3.57	0.00	0.43	359	0	3626	572.5	0.13
110:33: 1	6	3.1 -	0.[illegible]	107.7	336.59	115.15	25.25	25.22 -	0.21	0.32 -	7 -	1	5715	2457	-936.54
LANDING -	76	2.3 -	0.62 -	19.1	7C3	2.C3	3.56 -	0.71	0.73 -	0.21 -	163	3	18222	5187	

107437	CLOCK REQUEST @ FACACCS	T1=02560	SECONDS RUNNING	397981.281039	9053
107447	CLOCK REQUEST @ PIFSCONF	T1=02560	SECONDS RUNNING	397981.282221	8952
076206	CLOCK REQUEST @ SERVICER	T1=02560	SECONDS RUNNING	397981.289974	8291
077127	CLOCK REQUEST @ PISUPDAT	T1=02620	SECONDS RUNNING	397981.603343	1550
077251	CLOCK REQUEST @ UPDATEI	T1=02631	SECONDS RUNNING	397981.699193	3371
077257	CLOCK REQUEST @ VELUPDAT	T1=02631	SECONDS RUNNING	397981.699808	3318
077455	CLOCK REQUEST @ VUPDATED	T1=02646	SECONDS RUNNING	397981.822472	2851
DISPLAYS =	4 06 54 +59435 -00107 +00703				397982.000003
101632	CLOCK REQUEST @ RDCINS	T1=02670	SECONDS RUNNING	397982.001929	7537
072410	CLOCK REQUEST @ LUNLAND	T1=02670	SECONDS RUNNING	397982.004139	7349
073437	CLOCK REQUEST @ DISPEXIT	T1=03013	SECONDS RUNNING	397982.837690	6219

SNAPSHOT 397933 SECONDS RUNNING 0-7983.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V (STABLE MEMBER COORDS)	A	LATVEL	LAT	YAW	BALL-P	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APDLU
LANDING	METRIC UNITS		RVEL ALTRATE	LONG ALT	PITCH RCLL	BALL-R BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	CELTAV MASS	CPS APS	PERILU
397983.2	17[illegible]132 -	5.5	1.7[illegible] -	0.0 -	2.94	2.50	359.20 -	3.57	0.43	359 -	1	3602	572.4	0.13
110:33: 3	14	3.1 -	3.[illegible]	102.[illegible]	336.58	114.81	24.91	24.87 -	0.16	0.32 -	11	5723	2432	-936.55
LANDING -	19	2.6 -	0.8[illegible] -	18.1	675	2.01	3.56 -	0.80 -	0.64	0.10 -	161	3 18198	5187	

107437	CLOCK REQUEST @ FINDACCS	T1=03070	SECONDS RUNNING	397983.281076	8383
107447	CLOCK REQUEST @ PIPSDONE	T1=03070	SECONDS RUNNING	397983.282258	8282
076266	CLOCK REQUEST @ SERVICER	T1=03071	SECONDS RUNNING	397983.295620	7142
077127	CLOCK REQUEST @ RCSUPDAT	T1=03130	SECONDS RUNNING	397983.603503	0870
077251	CLOCK REQUEST @ RUPDATED	T1=03142	SECONDS RUNNING	397983.705592	2158
77257	CLOCK REQUEST @ VELUPDAT	T1=03142	SECONDS RUNNING	397983.706207	2105
077455	CLOCK REQUEST @ VUPDATED	T1=03156	SECONDS RUNNING	397983.825823	1898
DISPLAYS =	64 06 64	+57X39 -00183 +00673			397984.000007
101632	CLOCK REQUEST @ R-INS	T1=03200	SECONDS RUNNING	397984.002843	6793
72410	CLOCK REQUEST @ LUNLAND	T1=03201	SECONDS RUNNING	397984.013266	5903
72437	CLOCK REQUEST @ DISPEXIT	T1=03324	SECONDS RUNNING	397984.641230	5250
DISPLAYS =	64 06 64	+55X[illegible] -00188 +00673			397985.000000

397[illegible].5	17[illegible]121 -	5.[illegible]	1.7[illegible]	0.0 -	2.94	2.75	359.33 -	3.57 -	0.05	0.54	355 -	1	3540	572.2	0.12
110:33: 5	21	3.0 -	3.[illegible]2	97.1	336.58	114.76	24.87	24.85 -	0.58	0.65 -	11 -	1	5731	2409	-936.57
LANDING	30	2.6 -	0.7[illegible] -	17.3	648	2.25	3.56 -	0.67 -	0.52	0.10 -	158	3	18173	5187	

107437	CLOCK REQUEST @ FINDACCS	T1=03400	SECONDS RUNNING	397985.281040	7720
107447	CLOCK REQUEST @ PIPSDONE	T1=03400	SECONDS RUNNING	397985.282222	7619
076266	CLOCK REQUEST @ SERVICER	T1=03401	SECONDS RUNNING	397985.291303	6844
077127	CLOCK REQUEST @ RCSUPDAT	T1=03440	SECONDS RUNNING	397985.602033	0328
077251	CLOCK REQUEST @ RUPDATED	T1=03451	SECONDS RUNNING	397985.699073	2048
077257	CLOCK REQUEST @ VELUPDAT	T1=03451	SECONDS RUNNING	397985.699688	1995
077455	CLOCK REQUEST @ VUPDATED	T1=03466	SECONDS RUNNING	397985.821520	1599
DISPLAYS =	64 06 64	+55X39 -00178 +00675			397986.000001

101632	CLOCK REQUEST @ RDGINS	T1=03510	SECONDS RUNNING	397986.004269	6004
07241	CLOCK REQUEST @ LUNLAND	T1=03510	SECONDS RUNNING	397986.006480	5815
073437	CLOCK REQUEST @ DISPEXIT	T1=03634	SECONDS RUNNING	397986.843413	4397

DISPLAYS = 64 06 64 +55X39 -00173 +00618 397987.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER METRIC UNITS)	LATVEL HORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COLY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
397987.2	1736111 - 5.0 1.72	0.3 - 2.94	3.14	359.39 -	3.53	0.02	0.54	352 -	1		3512	572.1	0.12
110:33:17	23 3. - 0.1	92.0	336.58	114.06	24.15	24.16 -	0.27	0.32 -	9		0	5739	2385 -936.58
LANDING	91 23.8 - 0.75 -	16.5	622	2.39	3.53 -	0.60	0.86 -	0.00 -	155		4	18150	5187

107437	CLOCK REQUEST @ READACCS	T1=03710	SECONDS RUNNING	397987.281040	7053
107447	CLOCK REQUEST @ PIPSDONE	T1=03710	SECONDS RUNNING	397987.282222	6952
076.00	CLOCK REQUEST @ SERVICER	T1=03710	SECONDS RUNNING	397987.289978	6290
077127	CLOCK REQUEST @ POSUPDAT	T1=03750	SECONDS RUNNING	397987.603598	9528
077251	CLOCK REQUEST @ UPDATED	T1=03762	SECONDS RUNNING	397987.705940	0795
077257	CLOCK REQUEST @ VELUPDAT	T1=03762	SECONDS RUNNING	397987.706566	0741
077455	CLOCK REQUEST @ VUPDATED	T1=03776	SECONDS RUNNING	397987.827386	0432

DISPLAYS = 4 6 64 +55X39 -00173 +00618 397988.000003

101632	CLOCK REQUEST @ RDGINS	T1=04020	SECONDS RUNNING	397988.001125	5606
07241	CLOCK REQUEST @ LUNLAND	T1=04020	SECONDS RUNNING	397988.009491	4892
073437	CLOCK REQUEST @ DISPEXIT	T1=04147	SECONDS RUNNING	397988.875323	1008

397989.2	1736111 - 4.8 1.72	0.3 - 2.94	3.41	358.91 -	3.60	0.04	0.43	352 -	1		3464	571.8	0.11
110:33:9	30 2.9 - 0.14	87.0	336.58	113.51	23.60	23.55	0.16	0.21 -	11 -	1	5747	2362 -936.59	
LANDING	124 22.0 - 0.73 -	15.8	597	1.97	3.59 -	1.08 -	0.22 -	0.00 -	151		3	18126	5187

107437	CLOCK REQUEST @ READACCS	T1=04220	SECONDS RUNNING	397989.281039	6386
107447	CLOCK REQUEST @ PIPSDONE	T1=04220	SECONDS RUNNING	397989.282220	6286
076.00	CLOCK REQUEST @ SERVICER	T1=04221	SECONDS RUNNING	397989.291018	5535
077127	CLOCK REQUEST @ POSUPDAT	T1=04257	SECONDS RUNNING	397989.593719	9704
077251	CLOCK REQUEST @ RUPDATED	T1=04271	SECONDS RUNNING	397989.690000	1488

077257	CLOCK REQUEST @ V LUPDAT	T1=04271	SECONDS RUNNING	397989.690614	1436
077455	CLOCK REQUEST @ VUPDATEC	T1=04305	SECONDS RUNNING	397989.813546	0946
101632	CLOCK REQUEST @ FLCIMS	T1=04327	SECONDS RUNNING	397989.991067	5797
072410	CLOCK REQUEST @ LUNLANC	T1=04327	SECONDS RUNNING	397989.998535	5160
DISPLAYS =	54 06 [illegible] +51X39 -00016 +00553				397990.000012
072437	CLOCK REQUEST @ DISPEXIT	T1=04453	SECONDS RUNNING	397990.832379	4005
DISPLAYS =	64 06 [illegible] +51X39 -00155 +00564				397991.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FCRVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	OGX OGY OGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397991.	17 6092 -	4.	1.7	0.4 -	2.94	3.78	359.31 -	3.59 -	0.05	0.43	346	0	3413	571.8	0.10
110:33:11	37	0. -	0. 1	82.7	336.58	113.15	23.29	23.29 -	0.47	0.54 -	10	0	5755	2339	-936.60
LANDING	168	20.5 -	0.71 -	1[illegible].7	57[illegible]	2.47	3.58 -	0.69 -	0.05	0.10 -	145	3	18103	5187	
107637	CLOCK REQUEST @ FEALACCS	T1=04530	SECONDS RUNNING	397991.281039	5720
1[illegible]7447	CLOCK REQUEST @ FIFSDLNE	T1=04530	SECONDS RUNNING	397991.282221	5619
076200	CLOCK REQUEST @ SERVICER	T1=04531	SECONDS RUNNING	397991.291011	4869
077127	CLOCK REQUEST @ FOSUPDAT	T1=04567	SECONDS RUNNING	397991.599231	8567
077253	CLOCK REQUEST @ RUPDATEC	T1=04601	SECONDS RUNNING	397991.698554	0092
077257	CLOCK REQUEST @ VLUPDAT	T1=04601	SECONDS RUNNING	397991.699168	0039
077455	CLOCK REQUEST @ VUPDATEC	T1=04615	SECONDS RUNNING	397991.819096	9806
101632	CLOCK REQUEST @ FLCIMS	T1=04637	SECONDS RUNNING	397991.992841	4979
DISPLAYS =	64 06 [illegible] +59X29 -00155 +00563				397992.000002
072410	CLOCK REQUEST @ LUNLANC	T1=04640	SECONDS RUNNING	397992.003261	4090
072437	CLOCK REQUEST @ DISPEXIT	T1=04763	SECONDS RUNNING	397992.831031	3454
DISPLAYS =	64 06 [illegible] +49X40 -00155 +00568				397993.000000
397[illegible]	176[illegible]2 -	4.5	0.7	0.5 -	2.94	4.24	355.67 -	3.55	0.04	0.43	346 -	1	3405	571.8	0.10
110:[illegible]	4[illegible]	0.7 -	0.11	77.8	336.57	112.37	22.54	22.53 -	0.42	0.21 -	10	0	5762	2316	-936.61
LANDING	209	10.1 -	[illegible] -	14.7	545	2.80	3.56 -	0.42	0.61	0.32 -	140	3	18080	5187	
107437	CLOCK REQUEST @ FEADACCS	T1=05040	SECONDS RUNNING	397993.281059	5051

[illegible]	CLOCK REQUEST [illegible] TF [illegible]CNE	T1=05040	SECONDS RUNNING	397993.262264	4949
[illegible]	CLOCK REQUEST [illegible] VILER	T1=05041	SECONDS RUNNING	397993.290164	4274
077127	CLOCK REQUEST [illegible] POSUPDAT	T1=05100	SECONDS RUNNING	397993.609092	7059
077251	CLOCK REQUEST [illegible] RUPDATED	T1=05112	SECONDS RUNNING	397993.705364	8844
077257	CLOCK REQUEST [illegible] V LUPDAT	T1=05112	SECONDS RUNNING	397993.705978	8792
077455	CLOCK REQUEST [illegible] VUPDATED	T1=05126	SECONDS RUNNING	397993.825834	8564
DISPLAYS =	64 06 04 +47X40 -00150 +10545				397994.000020
101672	CLOCK REQUEST [illegible] TCIMS	T1=05150	SECONDS RUNNING	397994.001060	3611
[illegible]7241	CLOCK REQUEST [illegible] LUNLAND	T1=05150	SECONDS RUNNING	397994.008314	2992
07[illegible]4[illegible]7	CLOCK REQUEST [illegible] DISPEXIT	T1=05277	SECONDS RUNNING	397994.874185	9105

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R / (TABLE MEMBER OTHERS) / METRIC UNITS	V	[illegible]	LATVEL / FCPVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397995.[illegible]	0176073 -	40[illegible]	1.69	0.5 -	2.94	4.63	359.04 -	3.63 -	0.00	0.43	346 -	1	3362	571.7	0.09
110:[illegible]	49	2.7 -	[illegible]	7[illegible]	336.57	112.15	22.29	22.24	0.00	0.32 -	10 -	1	5770	2293	-936.62
LANDING	245	1727 -	2.69 -	14.2	526	2.43	3.63 -	0.55 -	0.59	0.10 -	138	3	18057	5187	
107417	CLOCK REQUEST [illegible] READACCS	T1=05350	SECONDS RUNNING	397995.281039	4386
107447	CLOCK REQUEST [illegible] PIPSDONE	T1=05350	SECONDS RUNNING	397995.282221	4286
076200	CLOCK REQUEST [illegible] SERVICER	T1=05350	SECONDS RUNNING	397995.289972	3624
077127	CLOCK REQUEST [illegible] POSUPDAT	T1=05410	SECONDS RUNNING	397995.604411	6792
077251	CLOCK REQUEST [illegible] RUPDATED	T1=05422	SECONDS RUNNING	397995.701308	8523
077257	CLOCK REQUEST [illegible] VELUPDAT	T1=05422	SECONDS RUNNING	397995.701923	8471
077455	CLOCK REQUEST [illegible] VUPDATED	T1=05436	SECONDS RUNNING	397995.822196	8208
DISPLAYS =	64 06 6 +45X40 -00145 +00522				397996.000014
101672	CLOCK REQUEST [illegible] PICIMS	T1=05460	SECONDS RUNNING	397996.001620	2897
07241[illegible]	CLOCK REQUEST [illegible] LUNLAND	T1=05461	SECONDS RUNNING	397996.012034	2008
07[illegible]4[illegible]7	CLOCK REQUEST [illegible] DISPEXIT	T1=05607	SECONDS RUNNING	397996.876104	8274
DISPLAYS =	64 06 04 +45X40 -00140 +00500				397997.000000

[illegible]	[illegible]	-	[illegible]	[illegible]	[illegible]	-	[illegible]	[illegible]	359.40	-	3.60	-	0.04	0.43	341 - 1	3316	571.6	0.09
110:33:17	55		2.7	-	[illegible]	68.6	336.57	111.61	21.81		21.78	-	0.52	0.43	- 7 0	5777	2270	-936.63
LANDING	279		1.	-	1.06	- 13.8	504	2.94	3.59	-	0.59	-	0.00	0.32	- 133 3	18034	5187	

107437	CLCCK REQUEST 3 READACCS	T1=05660	SECONDS RUNNING	397997.281039	3720
107447	CLCCK REQUEST 4 PIPSDONE	T1=05660	SECONDS RUNNING	397997.282221	3619
[illegible]	CLCCK REQUEST 5 SERVICER	T1=05661	SECONDS RUNNING	397997.291294	2845
77127	CLCCK REQUEST 6 RCSUPDAT	T1=05716	SECONDS RUNNING	397997.589515	7397
07722	CLCCK REQUEST 7 RUPDATED	T1=05731	SECONDS RUNNING	397997.693729	8504
077257	CLCCK REQUEST 8 VELUPDAT	T1=05731	SECONDS RUNNING	397997.694343	8451
077455	CLCCK REQUEST 9 VLPDATED	T1=05744	SECONDS RUNNING	397997.808267	8730
1622	CLCCK REQUEST 10 RUCIMS	T1=05767	SECONDS RUNNING	397997.990890	3146
72410	CLCCK REQUEST 11 LUNLAND	T1=05767	SECONDS RUNNING	397997.992816	2981
DISPLAYS =	64 06 64 +43X40 -00140 +00500				397998.000035
073427	CLCCK REQUEST 12 CISPEXIT	T1=06112	SECONDS RUNNING	397998.830535	1496
DISPLAYS =	64 06 64 +43X41 -00140 +00560				397999.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(TABLE MEMBER OFFSET)			FCRVEL	LONG	PITCH	BALL-P	COUY	CRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397999.0[illegible]	17[illegible]57	-	4.1	1.67	0.8	- 2.94	5.82	359.16	- 3.61	0.05	0.21	341	0	3311	571.6	0.09
110:33:15	61		2.6	- 0.04	64.3	336.57	111.13	21.33	21.29	- 0.15	0.43	- 11	0	5784	2248	-936.63
LANDING	311		1.0	- 0.64	- 13.4	482	2.83	3.61	- 0.83	0.28	0.32	- 129	3	18012	5187	

107437	CLCCK REQUEST 13 READACCS	T1=06170	SECONDS RUNNING	397999.281046	3053
107447	CLCCK REQUEST 14 PIPSDONE	T1=06170	SECONDS RUNNING	397999.282227	2952
762[illegible]	CLCCK REQUEST 15 SERVICER	T1=06171	SECONDS RUNNING	397999.291501	2160
77127	CLCCK REQUEST 16 RUSUPDAT	T1=06239	SECONDS RUNNING	397999.603217	5561
077251	CLCCK REQUEST 17 RUPDATED	T1=06242	SECONDS RUNNING	397999.704899	6884
077257	CLCCK REQUEST 18 VELUPDAT	T1=06242	SECONDS RUNNING	397999.705513	6831
077455	CLCCK REQUEST 19 VUPDATED	T1=06255	SECONDS RUNNING	397999.819480	7106
DISPLAYS =	64 06 6 +41X41 -00150 +00478				398000.000015

101[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=06300	SECONDS RUNNING	398000.003881	1371
07240	CLOCK REQUEST @ LUNLANC	T1=06300	SECONDS RUNNING	398000.006133	1178
07342[illegible]	CLOCK REQUEST @ DISPEXIT	T1=06427	SECONDS RUNNING	398000.877761	6799

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	P (STABLE MEMBER COORDS) METRIC UNITS	V ALTRATE	LATVEL FCRVEL	LAT LONG ALT	YAW PITCH ROLL	BALL-F BALL-P BALL-Y	COUX CCLY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	DGX DGY DGZ	THRUST CELTAV MASS	RCS DPS APS	APOLU PERILU
398001.[illegible]	17[illegible]04E -	3.9	1.67	0.8 -	2.94	0.38	358.39 -	3.70 -	0.03	0.10	341 -	1	3271	571.4	0.08
110:33:21	67	2.6 -	0.04	60.1	336.57	110.63	20.75	20.66	0.25	0.32 -	11 -	1	5791	2226	-936.64
LANDING	237	13. -	0.6 -	13.1	46[illegible]	2.20	3.69 -	1.60 -	0.62 -	0.00 -	127	3	17989	5187	

107427	CLOCK REQUEST @ READACCS	T1=06500	SECONDS RUNNING	398001.281050	2386
107447	CLOCK REQUEST @ PIPSDONE	T1=06500	SECONDS RUNNING	398001.282231	2285
076[illegible]	CLOCK REQUEST @ SERVICER	T1=06501	SECONDS RUNNING	398001.294731	1218
077127	CLOCK REQUEST @ POSUPDAT	T1=06537	SECONDS RUNNING	398001.599810	5185
077251	CLOCK REQUEST @ [illegible]UPDATED	T1=06551	SECONDS RUNNING	398001.699932	6641
077257	CLOCK REQUEST @ VELUPDAT	T1=06552	SECONDS RUNNING	398001.701738	6487
07745[illegible]	CLOCK REQUEST @ VUPDATED	T1=06566	SECONDS RUNNING	398001.822104	6216
DISPLAYS =	64 06 64	+39X41 -00132 +00450			398002.000002
101[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=[illegible]6610	SECONDS RUNNING	398002.004680	0636
07240	CLOCK REQUEST @ LUNLANC	T1=[illegible]6610	SECONDS RUNNING	398002.006889	0447
07242[illegible]	CLOCK REQUEST @ DISPEXIT	T1=06734	SECONDS RUNNING	398002.843720	9038
DISPLAYS =	64 06 64	+37X41 -00132 +00450			398003.000000

398[illegible]3.0[illegible]	17[illegible]041 -	3.9	1.6	0. -	2.94	7.07	358.76 -	3.64 -	0.00 -	0.00	338 -	1	3242	571.4	0.08
110:33:23	67	2.5 -	0.03	56.1	336.57	110.19	20.38	20.32 -	0.47	0.76 -	13	0	5798	2204	-936.64
LANDING	365	12.6 -	0. -	12.8	43[illegible]	2.72	3.64 -	1.23	0.17	0.32 -	119	4	17967	5187	

107427	CLOCK REQUEST @ READACCS	T1=07010	SECONDS RUNNING	398003.281039	1720
107447	CLOCK REQUEST @ PIPSDONE	T1=07010	SECONDS RUNNING	398003.282220	1619
076[illegible]	CLOCK REQUEST @ SERVICER	T1=07011	SECONDS RUNNING	398003.291010	0869
077127	CLOCK REQUEST @ POSUPDAT	T1=07041	SECONDS RUNNING	398003.538933	9713
077[illegible]	CLOCK REQUEST @ [illegible]UPDATED	T1=07053	SECONDS RUNNING	398003.639924	1095

[illegible]7327	CLOCK REQUEST @ VTLUPDAT	T1=07054	SECONDS RUNNING	398003.641354	0973
[illegible]7745	CLOCK REQUEST @ VUPLATED	T1=07072	SECONDS RUNNING	398003.786034	8627
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=07111	SECONDS RUNNING	398003.930400	6308
101622	CLOCK REQUEST @ VLCIMS	T1=07114	SECONDS RUNNING	398003.961066	3691
DISPLAYS =	64 06 64 + 7X42 -00129 +00415				398004.000013
073427	CLOCK REQUEST @ DISPEXIT	T1=07240	SECONDS RUNNING	398004.808763	1354
DISPLAYS =	64 06 64 +15X42 -00129 +00415				398005.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE PRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
39[illegible] 5.2	1736033 - 3.8 1[illegible]	0.7 - 2.94	7.73	358.55 -	3.70	0.04 -	0.00	338	0	3245	571.4	0.07	
110:33:25	56 2.4 - 3.5	52.2	336.57	109.57	19.75	19.67 -	0.25	0.54 -	13	0	5805	2182	-936.65
LANDING	285 11.4 - 3.[illegible] -	12.5	418	2.63	3.65 -	1.46	0.17 -	0.00 -	116	0	17946	5187	
107437	CLOCK REQUEST @ [illegible]PADACCS					T1=07320		SECONDS RUNNING			398005.281039		1053
107447	CLOCK REQUEST @ PIPSOCNE					T1=07320		SECONDS RUNNING			398005.282220		0952
[illegible]7620	CLOCK REQUEST @ SERVICER					T1=07320		SECONDS RUNNING			398005.289970		0291
077127	CLOCK REQUEST @ FOSLPDAT					T1=07360		SECONDS RUNNING			398005.604070		3488
077[illegible]51	CLOCK REQUEST @ PUPLATED					T1=07371		SECONDS RUNNING			398005.699782		5320
077257	CLOCK REQUEST @ VTLUPDAT					T1=07372		SECONDS RUNNING			398005.701589		5166
077455	CLOCK REQUEST @ VUPLATED					T1=07406		SECONDS RUNNING			398005.821483		4935
[illegible]1082	CLOCK REQUEST @ VLCIMS					T1=07430		SECONDS RUNNING			398006.002579		9482
072410	CLOCK REQUEST @ LUNLAND					T1=07430		SECONDS RUNNING			398006.004788		9293
073427	CLOCK REQUEST @ DISPEXIT					T1=07553		SECONDS RUNNING			398006.837205		8260
39[illegible]07.2	1736[illegible]25 - 3.7 1.67	0.7 - 2.94	8.66	358.70 -	3.69 -	0.05 -	0.00	339 -	2	3221	571.4	0.07	
110:33:27	[illegible]1 2.3 - 3.[illegible]	48.4	336.57	109.99	19.22	19.16 -	0.06	0.65 -	12	0	5811	2160	-936.65
LANDING	12 1[illegible].2 - [illegible] -	12.2	393	2.98	3.68 -	1.29 -	0.38	0.21 -	114	5	17924	5187	
107437	CLOCK REQUEST @ [illegible]PADACCS					T1=07630		SECONDS RUNNING			398007.281039		0386
107447	CLOCK REQUEST @ PIPSOCNE					T1= 7630		SECONDS RUNNING			398007.282220		0286
76[illegible]6	CLOCK REQUEST @ SERVICER					T1=07630		SECONDS RUNNING			398007.289970		9624

077127	CLOCK REQUEST @ RESUPDAT	T1=07667	SECONDS RUNNING	398007.599523	3209
077251	CLOCK REQUEST @ SUPD TED	T1=07701	SECONDS RUNNING	398007.695884	4586
077257	CLOCK REQUEST @ VELUPDAT	T1=07701	SECONDS RUNNING	398007.696498	4934
077455	CLOCK REQUEST @ VUPDATED	T1=07715	SECONDS RUNNING	398007.817113	4642
101632	CLOCK REQUEST @ RECINS	T1=07737	SECONDS RUNNING	398007.991042	9800
DISPLAYS =	4 06 64 +33X43 -00124 +00393				398008.000003
072410	CLOCK REQUEST @ LUNLANC	T1=07740	SECONDS RUNNING	398008.004737	8631
073437	CLOCK REQUEST @ DISPEXIT	T1=10066	SECONDS RUNNING	398008.869646	4825
DISPLAYS =	64 06 64 +31X43 -00124 +00393				398009.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	OGX	THRUST	RCS	APOLU
LANDING	(STAPLE MEMBER DIGRES) METRIC UNITS			FORVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	YRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	OGY OGZ	DELTAV MASS	DPS APS	RERILU
398 09.02	17[illegible]19 -	3.6	1.05	6.7 -	2.94	9.64	358.99 -	3.66	0.03 -	0.00	327	0	3202	571.3	0.06
110:33:29	89	2.2 -	1.02	44.8	336.57	133.27	18.59	18.54 -	0.99	0.87 -	13 -	1	5818	2138	-936.66
LANDING	4.8	0.1 -	[illegible] -	12.0	361	3.44	3.66 -	1.0[illegible]	0.26	0.32 -	108	3	17902	5187	

107437	CLOCK REQUEST @ LABACCS	T1=10140	SECONDS RUNNING	398009.281040	9720
107447	CLOCK REQUEST @ PIPSUONF	T1=10140	SECONDS RUNNING	398009.282222	9619
7[illegible]06	CLOCK REQUEST @ SERVICER	T1=10141	SECONDS RUNNING	398009.291299	8844
077127	CLOCK REQUEST @ RESUPDAT	T1=102[illegible]0	SECONDS RUNNING	398009.601639	2362
077251	CLOCK REQUEST @ VUPDATED	T1=10212	SECONDS RUNNING	398009.705683	3484
77257	CLOCK REQUEST @ VELUPDAT	T1=1[illegible]212	SECONDS RUNNING	398009.706297	3431
77455	CLOCK REQUEST @ VUPDATED	T1=10225	SECONDS RUNNING	398009.818976	3816
1[illegible]1632	CLOCK REQUEST @ RECINS	T1=1[illegible]247	SECONDS RUNNING	398009.991046	9133
DISPLAYS =	64 06 64 +31X44 -00121 +00372				398010.000011
072410	CLOCK REQUEST @ LUNLANE	T1=10250	SECONDS RUNNING	398010.004750	7963
73437	CLOCK REQUEST @ DISPEXIT	T1=10277	SECONDS RUNNING	398010.879097	3352
DISPLAYS =	64 06 64 +2IX44 -00121 +00372				398011.000000

39[illegible]11.02	17[illegible]11 -	[illegible].5	1.0[illegible]	6.6 -	2.94	11.86	358.18 -	3.75	0.01 -	0.00	339 -	1	3222	571.0	0.06
110:33:31	89	2.2	1.12	41.2	336.56	107.64	17.85	17.75 -	0.28	0.65 -	12	0	5824	2117	-936.66

LANDING 446 6.[illegible] - 0.31 - 11.7 331 2.85 3.76 - 1.83 0.30 - 0.32 - 108 3 17880 5187

107447	CLOCK REQUEST @ PIPSDONE	T1=10450	SECONDS RUNNING	398011.282238	8951
076206	CLOCK REQUEST @ SERVICER	T1=10451	SECONDS RUNNING	398011.290906	8211
077127	CLOCK REQUEST @ RCSUPDAT	T1=10510	SECONDS RUNNING	398011.604126	1483
077[illegible]57	CLOCK REQUEST @ [illegible]UPDATED	T1=10522	SECONDS RUNNING	398011.701454	3178
77257	CLOCK REQUEST @ VELUPDAT	T1=10522	SECONDS RUNNING	398011.702068	3125
077455	CLOCK REQUEST @ VUPDATED	T1=10[illegible]6	SECONDS RUNNING	398011.822075	2885
DISPLAYS =	54 06 64 +29X44 -00110 +00347				398012.000020
101632	CLOCK REQUEST @ [illegible]DOCINS	T1=10560	SECONDS RUNNING	398012.002727	7469
072410	CLOCK REQUEST @ LUNLANDC	T1=10560	SECONDS RUNNING	398012.004937	7280
073437	CLOCK REQUEST @ DISPEXIT	T1=10707	SECONDS RUNNING	398012.877012	2863

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) / METRIC UNITS	V	A	LATVEL / RCRVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
398013.2	736004 -	3.4	1.05	0.5 -	2.94	12.18	358.84 -	3.70 -	0.05 -	0.10	342 -	1	9214	576.9	0.06
110: 9:33	93	2.1 -	0.03	37.8	336.56	136.75	17.16	17.09 -	0.43	0.98 -	16	0	5831	2095	-936.66
LANDING	61	7.[illegible] -	3.53 -	11.3	303	3.71	3.70 -	1.15 -	0.77	0.43 -	101	3	17858	5187	

107437	CLOCK REQUEST @ PIPSDACCS	T1=10760	SECONDS RUNNING	398013.281040	8386
107447	CLOCK REQUEST @ PIPSDONE	T1=10760	SECONDS RUNNING	398013.282222	8286
076206	CLOCK REQUEST @ SERVICER	T1=10760	SECONDS RUNNING	398013.289975	7624
077127	CLOCK REQUEST @ RCSUPDAT	T1=11017	SECONDS RUNNING	398013.563766	1700
077[illegible]1	CLOCK REQUEST @ [illegible]UPDATED	T1=11031	SECONDS RUNNING	398013.650740	3425
077257	CLOCK REQUEST @ VELUPDAT	T1=11031	SECONDS RUNNING	398013.651354	3373
077455	CLOCK REQUEST @ VUPDATED	T1=11045	SECONDS RUNNING	398013.812566	3029
101632	CLOCK REQUEST @ K[illegible]S	T1=11047	SECONDS RUNNING	398013.951043	7799
072410	CLOCK REQUEST @ LUNLANDC	T1=11067	SECONDS RUNNING	398013.998237	7186
DISPLAYS =	64 06 64 +27X44 -00116 +00324				398014.000009

[illegible] CLOCK REQUEST [illegible] DISPEXIT T1=11214 SECONDS RUNNING 398014.843277 5075

DISPLAYS = [illegible] +27X44 -00111 +00221 398015.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST CELTAV MASS	RCS DPS APS	APOLU PERILU
398015.2	[illegible]	3.[illegible]	1.71	0.4 -	2.93	14.11	358.83 -	3.74	0.06 -	0.00	344	0	3228	570.7	0.05
110:33:35	97	2.[illegible] -	0.[illegible]	34.6	336.56	195.74	16.23	16.17 -	0.51	0.87 -	11	0	5837	2073	-936.66
LANDING	474	6.0 -	0.4 -	10.8	275	3.98	3.74 -	1.16	0.72 -	0.10 -	98	3	17836	5187	

1 7437 CLOCK REQUEST @ READACCS T1=11270 SECONDS RUNNING 398015.281040 7720

107447 CLOCK REQUEST @ PIPSDONE T1=11270 SECONDS RUNNING 398015.282222 7619

076206 CLOCK REQUEST @ SERVICER T1=11271 SECONDS RUNNING 398015.291015 6868

077127 CLOCK REQUEST @ POSUPDAT T1=11327 SECONDS RUNNING 398015.598436 0635

077251 CLOCK REQUEST @ [illegible]PDATED T1=11342 SECONDS RUNNING 398015.701344 1854

[illegible]77257 CLOCK REQUEST @ VELUPDAT T1=11342 SECONDS RUNNING 398015.701970 1800

[illegible]77455 CLOCK REQUEST @ VUPDATED T1=11356 SECONDS RUNNING 398015.821994 1558

DISPLAYS = [illegible]4 D6 [illegible]4 +25X45 -00111 +00294 398016.000016

101632 CLOCK REQUEST @ [illegible]DSIMS T1=11400 SECONDS RUNNING 398016.001056 6278

[illegible]7241C CLOCK REQUEST @ LUNLAND T1=11401 SECONDS RUNNING 398016.011498 5387

073437 CLOCK REQUEST @ DISPEXIT T1=11527 SECONDS RUNNING 398016.877644 1476

398017.2	[illegible]	3.1	1.71	0.3 -	2.93	16.27	356.53 -	3.77 -	0.03 -	0.00	347 -	1	3236	570.6	0.05
110:33:37	10	1.9 -	[illegible]	31.5	336.56	194.94	15.47	15.39 -	0.36	0.87 -	14	0	5843	2051	-936.67
LANDING	436	5.1 -	[illegible] -	10.[illegible]	245	4.03	3.77 -	1.46 -	0.37 -	0.10 -	93	3	17814	5187	

107437 CLOCK REQUEST @ READACCS T1=11600 SECONDS RUNNING 398017.281039 7053

107447 CLOCK REQUEST @ PIPSDONE T1=11600 SECONDS RUNNING 398017.282220 6952

076206 CLOCK REQUEST @ SERVICER T1=11600 SECONDS RUNNING 398017.289969 6291

077127 CLOCK REQUEST @ POSUPDAT T1=11640 SECONDS RUNNING 398017.608989 9068

077251 CLOCK REQUEST @ [illegible]UPDATED T1=11652 SECONDS RUNNING 398017.706026 0788

[illegible]77257 CLOCK REQUEST @ VELUPDAT T1=11652 SECONDS RUNNING 398017.706640 0735

[illegible]77455 CLOCK REQUEST @ VUPDATED T1=11666 SECONDS RUNNING 398017.827307 0438

DISPLAYS = [illegible] 6 [illegible] +20X45 -00107 +00268 398018.000010

101[illegible]	CLOCK REQUEST @ CGIMS	T1=11710	SECONDS RUNNING	398018.001049	5612
072410	CLOCK REQUEST @ LUNLAND	T1=11711	SECONDS RUNNING	398018.010121	4838
073437	CLOCK REQUEST @ DISPEXIT	T1=12037	SECONDS RUNNING	398018.874503	1078

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V ALTRATE	A	LATVEL FERVEL	LAT LONG ALT	YAW PITCH RCLL	BALL-R BALL-P BALL-Y	COUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
398[illegible]2 110:33:[illegible]	17[illegible]994 - 10[illegible]	2.9 1.8 -	1.74 0.2	0.3 - 28.5	2.93 336.56	19.35 113.41	359.0[illegible] - 14.25	2.76 - 14.20 -	0.00 - 0.15	0.00 0.43 -	350 - 12	1 0	3260 5849	570.5 2030	0.04 -936.67
LANDING	49[illegible]	4.2 -	3.43 -	9.6	241	4.85	3.76 -	0.91 -	0.25	0.10 -	88	3	17792	5187	
107427	CLOCK REQUEST @ READACCS							T1=12110		SECONDS RUNNING			398019.281039		6386
107447	CLOCK REQUEST @ PIPSDONE							T1=12110		SECONDS RUNNING			398019.282220		6286
[illegible]	CLOCK REQUEST @ SERVICER							T1=12110		SECONDS RUNNING			398019.289969		5624
077027	CLOCK REQUEST @ PIPSUPDAT							T1=12141		SECONDS RUNNING			398019.538420		4423
077251	CLOCK REQUEST @ TOPDATED							T1=12154		SECONDS RUNNING			398019.641127		5659
077257	CLOCK REQUEST @ VELUPDAT							T1=12154		SECONDS RUNNING			398019.641741		5607
07745[illegible]	CLOCK REQUEST @ VHPDATED							T1=12172		SECONDS RUNNING			398019.785250		3360
072410	CLOCK REQUEST @ LUNLAND							T1=12210		SECONDS RUNNING			398019.928900		1102
10[illegible]	CLOCK REQUEST @ KDGIMS							T1=12214		SECONDS RUNNING			398019.961087		8356

DISPLAYS = 64 06 [illegible] +21X45 -00101 +00243 398020.000008

073437	CLOCK REQUEST @ DISPEXIT	T1=12340	SECONDS RUNNING	398020.807351	6141

DISPLAYS = 64 06 64 +19X45 -00101 +00243 398021.000000

398021.2 110:13:41	17[illegible]579 - 12	2.6 1.7 -	1.7 0.4	0.2 - 25.7	2.93 336.56	23.27 103.07	359.74 - 14.13	3.80 14.06 -	0.03 - 0.12	0.10 0.98 -	353 13	0 0	3229 5855	570.5 2008	0.04 -936.67
LANDING	502	3.3 -	1.41 -	8.8	236	5.40	3.79 -	1.25	0.33 -	0.21 -	84	0	17770	5187	
107437	CLOCK REQUEST @ READACCS							T1=12420		SECONDS RUNNING			398021.281038		5720
107447	CLOCK REQUEST @ PIPSDONE							T1=12420		SECONDS RUNNING			398021.282219		5619
[illegible]	CLOCK REQUEST @ SERVICER							T1=12421		SECONDS RUNNING			398021.291285		4845
077127	CLOCK REQUEST @ PIPSUPDAT							T1=12460		SECONDS RUNNING			398021.602544		8285

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 [illegible]  CLOCK REQUEST [illegible]UPDATED                    T1=12472   SECONDS RUNNING   398021.701387    9850

 077257       CLOCK REQUEST @ VELLPDAT                            T1=12472   SECONDS RUNNING   398021.702001    9798

 077459       CLOCK REQUEST @ VUPDATED                            T1=12505   SECONDS RUNNING   398021.819624    9761

DISPLAYS =    64    06    64          +19X46  -00095  +00124                                                398022.000012

 101622       CLOCK REQUEST @ RDGIMS                              T1=12530   SECONDS RUNNING   398022.003757    4048

 072410       CLOCK REQUEST @ LUNLAND                             T1=12530   SECONDS RUNNING   398022.005965    3859

 073457       CLOCK REQUEST @ DISPEXIT                            T1=12654   SECONDS RUNNING   398022.842365    2487

DISPLAYS =    64    06    64          +19X46  -00095  +00211                                                398023.000000

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

  TIME          V      G    LATVEL    LAT     YAW   BALL-P   CDUX   RRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
 (STABLE MEMBER COORDS)  FORVEL    LONG   PITCH  BALL-R   CDUY   CRATE  ATT-Y  DPPY  DGY  CELTAV  DPS   PERILU
 LANDING     METRIC UNITS  ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
 398[illegible]  [illegible] -  2.5   1.70   0.1 -  2.93   29.36  358.75 -  3.79 - 0.03 -  0.00   350 -  2  3178  570.4    0.04
110:33:45   [illegible]  1.7 -  [illegible]  23.0  336.56  101.92   13.52   13.44 - 0.62   0.87 -  10   0  5861  1986 -936.67
 LANDING     508   2.5 -  0.36 -  8.1   236    6.44    5.78 -  1.24 - 0.20 -  0.32 -  80   5 17749  5187

 107417       CLOCK REQUEST @ [illegible]EADACCS                  T1=12730   SECONDS RUNNING   398023.281040    5053

 107447       CLOCK REQUEST @ MIPSDONE                            T1=12730   SECONDS RUNNING   398023.282221    4952

 [illegible]  CLOCK REQUEST @ SERVICER                            T1=12730   SECONDS RUNNING   398023.289974    4291

 077417       CLOCK REQUEST @ POSUPDAT                            T1=12770   SECONDS RUNNING   398023.602276    7641

 077251       CLOCK REQUEST @ RUPDATED                            T1=13001   SECONDS RUNNING   398023.697769    9492

 077257       CLOCK REQUEST @ VELLPDAT                            T1=13001   SECONDS RUNNING   398023.698383    9440

 [illegible]  CLOCK REQUEST @ VUPDATED                            T1=13015   SECONDS RUNNING   398023.819646    9092

DISPLAYS =    64    06    64          +17X48  -00087  +00211                                                398024.000018

 101622       CLOCK REQUEST @ RDGIMS                              T1=13040   SECONDS RUNNING   398024.001058    3611

 072410       CLOCK REQUEST @ LUNLAND                             T1=13040   SECONDS RUNNING   398024.007605    3053

 073457       CLOCK REQUEST @ DISPEXIT                            T1=13167   SECONDS RUNNING   398024.874516    9076

 398[illegible]  [illegible] -  2.3   1.0    0.1 -  2.92   38.18  359.73 -  3.76 - 0.00 -  0.00   345    0  3109  570.2    0.04
110:33:45   [illegible]  1.6 -  [illegible]  20.0  336.56   99.57   12.68   12.68 - 0.35   0.32 -  [illegible]   0  5867  1964 -936.67
 LANDING     512   1.7 -  0.36 -  7.7   232    8.35    3.76 -  0.26 - 0.24   0.32 -  77   3 17727  5187

 107457       CLOCK REQUEST @ [illegible]EADACCS                  T1=13240   SECONDS RUNNING   398025.281056    4385
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067447	CLOCK REQUEST @ PIPSCONF	T1=13240	SECONDS RUNNING	398025.282237	4284
076 04	CLOCK REQUEST @ SERVICER	T1=13241	SECONDS RUNNING	398025.293090	3358
077127	CLOCK REQUEST @ PUSUPDAT	T1=13277	SECONDS RUNNING	398025.596373	7478
077251	CLOCK REQUEST @ RUPDATED	T1=13311	SECONDS RUNNING	398025.698625	8752
077267	CLOCK REQUEST @ VELUPDAT	T1=13311	SECONDS RUNNING	398025.699239	8700
077455	CLOCK REQUEST @ VUPDATED	T1=13325	SECONDS RUNNING	398025.815800	8753
101 .	CLOCK REQUEST @ BEGINS	T1=13347	SECONDS RUNNING	398025.993184	3617
DISPLAYS =	64 16 64 +15X51 -00080 +00203				398026.000002
7241	CLOCK REQUEST @ LUNLAND	T1=13350	SECONDS RUNNING	398026.003616	2727
073427	CLOCK REQUEST @ DISPEXIT	T1=13477	SECONDS RUNNING	398026.874484	8412
DISPLAYS =	64 16 64 +15X51 -00075 +00203				398027.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL / RCVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	PALL-P / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / CELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
398027.2	1735964 -	2.2	1.63	0.2 -	2.93	52.20	358.99 -	3.80	0.03	0.32	338 -	1	3016	570.0	0.03
110:33:47	117	1.0 -	0.3	1801	336.56	97.65	12.22	12.26 -	0.35	0.43 -	4	0	5873	1944	-936.67
LANDING	514	1.0 -	1.34 -	7.0	229	9.69	3.80 -	0.99	0.75 -	0.76 -	69	3	17706	5187	

107417	CLOCK REQUEST @ TEACACCS	T1=13550	SECONDS RUNNING	398027.281039	3720
1 7447	CLOCK REQUEST @ PIPSDONE	T1=13550	SECONDS RUNNING	398027.282221	3619
76 0	CLOCK REQUEST @ SERVICER	T1=13551	SECONDS RUNNING	398027.291012	2869
77127	CLOCK REQUEST @ PUSUPDAT	T1=13602	SECONDS RUNNING	398027.541108	1527
077251	CLOCK REQUEST @ RUPDATED	T1=13613	SECONDS RUNNING	398027.636547	3383
0772 7	CLOCK REQUEST @ VELUPDAT	T1=13613	SECONDS RUNNING	398027.637161	3331
0774 5	CLOCK REQUEST @ VUPDATED	T1=13632	SECONDS RUNNING	398027.783656	0830
07241	CLOCK REQUEST @ LUNLAND	T1=13651	SECONDS RUNNING	398027.933447	8048
101 2	CLOCK REQUEST @ BEGINS	T1=13654	SECONDS RUNNING	398027.961061	5691
DISPLAYS =	64 06 64 +13X54 -0 075 +00197				398028.000040
0734 7	CLOCK REQUEST @ DISPEXIT	T1=14001	SECONDS RUNNING	398028.810339	3220
DISPLAYS =	64 06 6 +13X54 -00075 +00192				398029.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COORDS)	V	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	METRIC	UNITS	FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398029.0	1735359 -	2.2	1.15	0.2 -	2.93	72.53	0.02 -	3.74 -	0.00 -	0.00	329	0	2641	569.9	0.03
11:33:46	133	1.6 -	3.50	15.5	336.56	92.80	11.95	11.55	0.06	0.10 -	8	0	5878	1923	-936.67
LANDING	515	0.2 -	0.32 -	7.4	223	11.64	3.74	0.02 -	0.22	0.65 -	68	0	17686	5187	

1 74.7	CLOCK REQUEST @ PLADACCS	T1=14060	SECONDS RUNNING	398029.281285	3032
107447	CLOCK REQUEST @ PIPSDONE	T1=14060	SECONDS RUNNING	398029.282465	2931
076	CLOCK REQUEST @ SERVICER	T1=14061	SECONDS RUNNING	398029.290207	2271
077127	CLOCK REQUEST @ PUSUPDAT	T1=14117	SECONDS RUNNING	398029.598158	5992
077 51	CLOCK REQUEST @ RUPDATED	T1=14132	SECONDS RUNNING	398029.701644	7162
077257	CLOCK REQUEST @ VELUPDAT	T1=14132	SECONDS RUNNING	398029.702258	7109
07745	CLOCK REQUEST @ VUPDATED	T1=14145	SECONDS RUNNING	398029.816068	7397
01 32	CLOCK REQUEST @ RECOMS	T1=14167	SECONDS RUNNING	398029.991044	2466
07241	CLOCK REQUEST @ LUNLAND	T1=14167	SECONDS RUNNING	398029.999694	1728
DISPLAYS =	04 06 04	+11X88 -00072 +00192			398030.000001
0734.7	CLOCK REQUEST @ DISPEXIT	T1=14314	SECONDS RUNNING	398030.840828	9951

398031.2	1735955 -	2.2	1.50	0.3 -	2.93	95.55	359.95 -	3.74 -	0.00 -	0.32	321 -	1	2880	569.8	0.03
11:33:51	124	1.5 -	3.11	13.8	336.56	89.17	11.69	11.68 -	0.41	0.43 -	8	0	5883	1904	-936.67
LANDING	515 -	0.2 -	0.31 -	7.7	216	11.56	3.74	0.05 -	0.16	0.87 -	62	5	17666	5187	

1 74.7	CLOCK REQUEST @ PLADACCS	T1=14370	SECONDS RUNNING	398031.281048	2386
107447	CLOCK REQUEST @ PIPSDONE	T1=14370	SECONDS RUNNING	398031.282229	2285
07625	CLOCK REQUEST @ SERVICER	T1=14371	SECONDS RUNNING	398031.293269	1343
077 7	CLOCK REQUEST @ PUSUPDAT	T1=14430	SECONDS RUNNING	398031.604674	4770
07725	CLOCK REQUEST @ RUPDATED	T1=14442	SECONDS RUNNING	398031.706996	6038
077257	CLOCK REQUEST @ VELUPDAT	T1=14442	SECONDS RUNNING	398031.707610	5986
07745	CLOCK REQUEST @ VUPDATED	T1=14456	SECONDS RUNNING	398031.823005	6139
DISPLAYS =	04 06 04	+09X63 -00073 +00187			398032.000060
1 163	CLOCK REQUEST @ RECOMS	T1=14500	SECONDS RUNNING	398032.001099	0941

[illegible] CLOCK REQUEST a FUNLAND T1=14500 SECONDS RUNNING 398032.008762 0287

[illegible]7343 CLOCK REQUEST a DISPEXIT T1=14630 SECONDS RUNNING 398032.883267 5663

DISPLAYS = 64 [illegible]6 64 +09X63 -00073 +00181 398033.000000

SNAPSHOT [illegible]8233 SECONDS RUNNING 398033.000035

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	(STABLE NUMBER [illegible])	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COUX COUY	PRATE CRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THPUST DELTAV	RCS CPS	APOLU PERILU
LANDING	METRIC UNITS	ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398033.02	1735450 - 2.4 1.8	0.4 -	2.93	116.58	358.75 -	3.50	0.30	- 0.43	319 -	1	2868	569.7	0.03
110337.55	126 1.5 - 0.01	11.7	336.56	85.49	11.21	11.14	0.13	0.21 -	7	0	5888	1884	-936.67
LANDING	513 - 0.8 - 0.25 -	8.3	207	10.29	3.50 -	1.24 -	0.42	- 0.00 -	62	3	17646	5187	

107417	CLOCK REQUEST @ READACCS	T1=14700	SECONDS RUNNING	398033.281059	1718
107447	CLOCK REQUEST @ PIPSDONE	T1=14700	SECONDS RUNNING	398033.282262	1615
076200	CLOCK REQUEST @ SERVICER	T1=14701	SECONDS RUNNING	398033.291504	0827
077127	CLOCK REQUEST @ POSUPDAT	T1=14732	SECONDS RUNNING	398033.543140	9354
077251	CLOCK REQUEST @ RUPDATED	T1=14743	SECONDS RUNNING	398033.658320	1232
077257	CLOCK REQUEST @ VELUPDAT	T1=14743	SECONDS RUNNING	398033.638934	1179
077455	CLOCK REQUEST @ VUPDATED	T1=14762	SECONDS RUNNING	398033.784252	8779
072410	CLOCK REQUEST @ LUNLAND	T1=15001	SECONDS RUNNING	398033.934610	5948
101622	CLOCK REQUEST @ BUGIMS	T1=15004	SECONDS RUNNING	398033.961047	3692
DISPLAYS =	04 06 [illegible] +07X67 -00076 +00181				398034.000011
077417	CLOCK REQUEST @ DISPEXIT	T1=15132	SECONDS RUNNING	398034.826707	9823
DISPLAYS =	04 06 06 +07X67 -00079 +00181				398035.000000

TIME	(STABLE NUMBER [illegible])	LATVEL FORVEL	LAT LONG	YAW PITCH	BALL-R BALL-P	COUX COUY	PRATE CRATE	ATT-X ATT-Y	DPPX DPPY	DGX DGY	THPUST DELTAV	RCS CPS	APOLU PERILU
398035.02	1735345 - 2.0 1.5	0.4 -	2.93	132.26	359.35 -	2.88	0.33	- 0.00	317	0	2846	569.5	0.02
110337.55	142 1.4 - 0.01	5.8	336.56	82.74	10.92	10.85	0.29	0.65 -	10	0	5893	1865	-936.67
LANDING	509 - 1.4 - 0.[illegible] - [illegible]04	196	8.19	2.86 -	0.64 -	0.06	0.65 -	57	0	17627	5187		

107417	CLOCK REQUEST @ READACCS	T1=15210	SECONDS RUNNING	398035.281039	1053
107447	CLOCK REQUEST @ PIPSDONE	T1=15210	SECONDS RUNNING	398035.282219	0952
076206	CLOCK REQUEST @ SERVICER	T1=15210	SECONDS RUNNING	398035.289965	0291
077127	CLOCK REQUEST @ POSUPDAT	T1=15250	SECONDS RUNNING	398035.608670	3095
077251	CLOCK REQUEST @ RUPDATED	T1=15262	SECONDS RUNNING	398035.704394	4927
077257	CLOCK REQUEST @ VELUPDAT	T1=15262	SECONDS RUNNING	398035.705009	4874
077455	CLOCK REQUEST @ VUPDATED	T1=15276	SECONDS RUNNING	398035.826303	4524
DISPLAYS =	04 06 04 +07X72 -00079 +00174				398036.000015

101632	CLOCK REQUEST @ [illegible]IMS	T1=15320	SECONDS RUNNING	398036.001091	9609
072410	CLOCK REQUEST @ LUNLAND	T1=15320	SECONDS RUNNING	398036.009827	8863
073437	CLOCK REQUEST @ CISPEXIT	T1=15450	SECONDS RUNNING	398036.864058	4262

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN FES, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THPLST DELTAV MASS	RCS UPS APS	APOLU PERILU
398037.2 110:33:57 LANLING	17 5540 - 132 305 -	2.7 1.4 - 1.4 -	1.20 1.04 1.026 -	0.3 - 8.1 8.9	2.93 336.56 183	141.92 83.79 7.02	358.45 - 9.98 2.77 -	2.77 0.92 - 1.53	0.03 - 0.46 0.34 -	0.00 0.87 - 0.32 -	316 - 10 52	2 2510 0 5898 5 17607	569.2 1845 5187	0.02 -936.67
107477	CLOCK REQUEST @ FEADACCS						T1=15520		SECONDS RUNNING				398037.281039	0386
107447	CLOCK REQUEST @ FIPSDONE						T1=15520		SECONDS RUNNING				398037.282219	0286
076204	CLOCK REQUEST @ SERVICER						T1=15520		SECONDS RUNNING				398037.289366	9625
077127	CLOCK REQUEST @ PCSUPDAT						T1=15551		SECONDS RUNNING				398037.538274	8436
077251	CLOCK REQUEST @ TUPDATED						T1=15564		SECONDS RUNNING				398037.641308	9643
077257	CLOCK REQUEST @ VELUPDAT						T1=15564		SECONDS RUNNING				398037.641922	9591
077455	CLOCK REQUEST @ VUPDATED						T1=15602		SECONDS RUNNING				398037.786721	7235
07241	CLOCK REQUEST @ LUNLAND						T1=15620		SECONDS RUNNING				398037.929622	5041
101632	CLOCK REQUEST @ FLGIMS						T1=15624		SECONDS RUNNING				398037.961049	2359
DISPLAYS =	64 06 64			+03X75	-00084	+00165								398038.000013
073437	CLOCK REQUEST @ CISPEXIT						T1=16736		SECONDS RUNNING				398038.707305	8678
DISPLAYS =	64 06 64			+21X77	-00089	+00155								398039.000000
398039.2 110:33:59 LANLING	17 5934 - 148 499 -	2.7 1.3 - .5 -	1.68 0.02 0.5 -	0.2 - 8.3 8.9	2.93 336.56 168	149.00 82.53 5.05	355.05 - 8.98 2.75 -	2.75 8.94 - 0.90 -	0.01 0.52 0.11 -	0.10 1.09 - 0.00 -	330 11 50	0 3053 0 5903 0 17587	569.2 1825 5187	0.02 -936.67
107477	CLOCK REQUEST @ FEADACCS						T1=16030		SECONDS RUNNING				398039.281039	9720
107447	CLOCK REQUEST @ FIPSDONE						T1=16030		SECONDS RUNNING				398039.282220	9619
076204	CLOCK REQUEST @ SERVICER						T1=16031		SECONDS RUNNING				398039.291005	8869
077127	CLOCK REQUEST @ PCSUPDAT						T1=16067		SECONDS RUNNING				398039.599621	2534
077251	CLOCK REQUEST @ TUPDATED						T1=16101		SECONDS RUNNING				398039.698093	4131

077257	CLOCK REQUEST @ VELUPDAT	T1=16101	SECONDS RUNNING	398039.698707	4079
077455	CLOCK REQUEST @ VUPDATED	T1=16115	SECONDS RUNNING	398039.817287	3960
101632	CLOCK REQUEST @ RGCIAS	T1=16137	SECONDS RUNNING	398039.992324	9023
072410	CLOCK REQUEST @ LUNLAND	T1=16140	SECONDS RUNNING	398040.002740	8135
73437	CLOCK REQUEST @ DISPEXIT	T1=16232	SECONDS RUNNING	398040.584475	8493
DISPLAYS =	65 06 6 FLASH +00000 -00009 +00142				398041.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(TABLE MEMBER	COORDS)		FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398041.2	1735029 -	2.5	1.8[illegible]	0.1 -	2.93	153.84	359.45 -	2.75 -	0.03 -	0.00	349 -	1	3272	569.2	0.01
110:34: 1	138	1.3 -	[illegible]	4.8	336.56	82.22	7.63	7.60 -	0.88	2.30 -	10	0	5908	1804	-936.67
LANDING	493 -	2.5 -	[illegible] -	8.2	153	3.54	2.75 -	0.54	0.48 -	0.21 -	47	5	17566	5187	

107437	CLOCK REQUEST @ RLADCCS	T1=16240	SECONDS RUNNING	398041.281039	9053
107447	CLOCK REQUEST @ PIPSDONE	T1=16340	SECONDS RUNNING	398041.282221	8952
076266	CLOCK REQUEST @ SERVICER	T1=16341	SECONDS RUNNING	398041.290162	8275
077127	CLOCK REQUEST @ RESUPDAT	T1=16372	SECONDS RUNNING	398041.542636	6730
077451	CLOCK REQUEST @ VUPDATED	T1=16404	SECONDS RUNNING	398041.644784	8014
077257	CLOCK REQUEST @ VELUPDAT	T1=16407	SECONDS RUNNING	398041.673637	5551
077455	CLOCK REQUEST @ VUPDATED	T1=16422	SECONDS RUNNING	398041.787575	5829
072410	CLOCK REQUEST @ LUNLAND	T1=16441	SECONDS RUNNING	398041.939281	2883
101632	CLOCK REQUEST @ RGCIAS	T1=16444	SECONDS RUNNING	398041.961060	1025
073437	CLOCK REQUEST @ DISPEXIT	T1=16533	SECONDS RUNNING	398042.513040	3922
DISPLAYS =	65 06 FLASH +00014 -00082 +00130				398043.000000

398043.2	1735524 -	2.1	1.8[illegible]	0.1 -	2.93	156.36	359.21 -	2.88 -	0.00 -	0.10	367	0	3244	569.0	0.01
110:34: 3	153	1.2 -	[illegible]	3.5	336.56	95.78	4.74	4.71 -	1.08	1.31 -	7	0	5912	1782	-936.67
LANDING	405 -	3.3 -	[illegible] -	7.0	140	2.63	2.88 -	0.55	0.41 -	0.54 -	36	0	17543	5187	

107437	CLOCK REQUEST @ RADCCS	T1=16650	SECONDS RUNNING	398043.281040	8386
107447	CLOCK REQUEST @ PIPSDONE	T1=16650	SECONDS RUNNING	398043.282222	8285
076266	CLOCK REQUEST @ SERVICER	T1=16651	SECONDS RUNNING	398043.290143	7610

077127	CLOCK REQUEST @ POSUPDAT	T1=16710	SECONDS RUNNING	398043.605061	0737
077259	CLOCK REQUEST @ UPDATEC	T1=16722	SECONDS RUNNING	398043.701285	2525
077257	CLOCK REQUEST @ VELUPDAT	T1=16722	SECONDS RUNNING	398043.701900	2473
077455	CLOCK REQUEST @ VUPDATEC	T1=16736	SECONDS RUNNING	398043.822084	2217
101632	CLOCK REQUEST @ R GIMS	T1=16760	SECONDS RUNNING	398044.001058	6945
072410	CLOCK REQUEST @ LUNLAND	T1=16760	SECONDS RUNNING	398044.009741	6204
073437	CLOCK REQUEST @ DISPEXIT	T1=17052	SECONDS RUNNING	398044.585269	7092

DISPLAYS = 5 06 FLASH +[illegible]02 -CCC70 +[illegible]116 398045.00CCCO

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	P	V	A	LATVEL	LAT	YAW	BALL-P	CDUX	PRATE	ATT-X	OPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FCRVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	OPPY	DGY	DELTAV	CPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
398045.2	[illegible] -	[illegible]	1.75	0.0 -	2.93	157.88	0.30 -	2.94 -	0.06 -	0.00	362 -	2	3133	568.9	0.01
110:34: 5	142	1.2	0.0	2.8	336.56	87.02	3.01	3.02 -	0.60	0.76 -	7	1	5917	1760	-936.67
LANDING	483 -	3.6 -	3.0 -	6.0	129	0.71	2.94	0.30 -	0.21	0.10 -	22	5	17522	5187	

107437	CLOCK REQUEST @ RTAGACCS	T1=17160	SECONDS RUNNING	398045.281039	7720
107447	CLOCK REQUEST @ PIPSDONE	T1=17160	SECONDS RUNNING	398045.282220	7619
76206	CLOCK REQUEST @ SERVICER	T1=17161	SECONDS RUNNING	398045.291483	6829
077127	CLOCK REQUEST @ POSUPDAT	T1=17212	SECONDS RUNNING	398045.541944	5456
07725[illegible]	CLOCK REQUEST @ PUPDATEC	T1=17224	SECONDS RUNNING	398045.643150	6820
077257	CLOCK REQUEST @ VELUPDAT	T1=17224	SECONDS RUNNING	398045.643764	6767
77455	CLOCK REQUEST @ VUPDATEC	T1=17243	SECONDS RUNNING	398045.790350	4259
072410	CLOCK REQUEST @ LUNLAND	T1=17261	SECONDS RUNNING	398045.935765	1850
101632	CLOCK REQUEST @ R GIMS	T1=17265	SECONDS RUNNING	398045.971111	8834
07[illegible]437	CLOCK REQUEST @ DISPEXIT	T1=17353	SECONDS RUNNING	398046.512011	2677

DISPLAYS = 05 06 5[illegible] FLASH +0CC24 -CCC58 +00[illegible] 398047.COOCCO

398047.2	[illegible]	1.0	1.7[illegible]	0.0 -	2.93	158.47	359.86 -	3.01 -	0.02 -	0.00	362	0	3055	568.9	0.01
110:34: 7	156	1.2 -	3.0	2.3	336.56	88.03	2.11	2.30 -	0.24	0.54 -	4	0	5921	1739	-936.67
LANDING	471 -	3.7 -	3.0 -	5.2	118	0.81	3.00 -	0.15	0.11 -	0.43 -	13	0	17501	5187	

107437	CLOCK REQUEST @ RTAGACCS	T1=17470	SECONDS RUNNING	398047.281038	7053

107447	CLOCK REQUEST @ PIPSCONE	T1=17470	SECONDS RUNNING	398047.282218	6953
076200	CLOCK REQUEST @ SERVICER	T1=17471	SECONDS RUNNING	398047.290123	6278
077127	CLOCK REQUEST @ POSUPDAT	T1=17530	SECONDS RUNNING	398047.609334	9039
077251	CLOCK REQUEST @ RUPDATED	T1=17542	SECONDS RUNNING	398047.705953	0794
077257	CLOCK REQUEST @ VELUPDAT	T1=17542	SECONDS RUNNING	398047.706567	0741
077455	CLOCK REQUEST @ VUPDATED	T1=17556	SECONDS RUNNING	398047.828179	0364
10[illegible]62	CLOCK REQUEST @ RECINS	T1=17600	SECONDS RUNNING	398048.001039	5613
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=17601	SECONDS RUNNING	398048.011275	4740
1[illegible]3437	CLOCK REQUEST @ DISPLEXIT	T1=17671	SECONDS RUNNING	398048.579160	6280

DISPLAYS = [illegible]5 06 [illegible]0 FLASH +00020 -00051 +00099 398049.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
398049.6[illegible]	17 5914 - 1.4 1.[illegible] -	0.0 - 2.93	159.70	359.81 -	3.10 -	0.02 -	0.00 -	346 -	1	3008	568.8	0.01	
110:34: 9	145 1.2 - 3.01	2.0	336.56	88.86	1.24	1.23 -	0.08 -	0.00 -	4	1	5925	1719	-936.67
LANDING	465 - 3.8 - 0.02 -	4.7	110	0.57	3.10 -	0.18 -	0.02 -	0.32 -	8	5	17480	5187	

107437	CLOCK REQUEST @ READACCS	T1=20000	SECONDS RUNNING	398049.281038	6387
107447	CLOCK REQUEST @ PIPSCONE	T1=20000	SECONDS RUNNING	398049.282218	6286
076200	CLOCK REQUEST @ SERVICER	T1=20001	SECONDS RUNNING	398049.290146	5609
077127	CLOCK REQUEST @ POSUPDAT	T1=20031	SECONDS RUNNING	398049.538233	4439
077251	CLOCK REQUEST @ RUPDATED	T1=20044	SECONDS RUNNING	398049.641364	5639
077257	CLOCK REQUEST @ VELUPDAT	T1=20044	SECONDS RUNNING	398049.641977	5586
077455	CLOCK REQUEST @ VUPDATED	T1=20062	SECONDS RUNNING	398049.787512	3167
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=20101	SECONDS RUNNING	398049.930604	0957
101[illegible]62	CLOCK REQUEST @ RECINS	T1=20104	SECONDS RUNNING	398049.961091	8355
173437	CLOCK REQUEST @ DISPLEXIT	T1=20172	SECONDS RUNNING	398050.505628	1888

DISPLAYS = 65 06 6[illegible] FLASH +00017 -00046 +00051 398051.000000

398051.6[illegible]	17 5911 - 1.[illegible] 1.[illegible]7	0.0 - 2.90	159.13	0.49 -	3.10 -	0.03 -	0.00	341	0	2982	568.8	0.00	
110:34:11	169 1.2 0.01	1.8	336.56	88.64	1.22	1.25	0.15 -	0.00 -	6	0	5928	1699	-936.67

LANDING [illegible] - [illegible] - [illegible] - 4.3 101 - 0.07 3.10 0.49 0.22 0.21 - 5 0 17460 5187

107437	CLOCK REQUEST @ READACCS	T1=20310	SECONDS RUNNING	398051.281038	5720
107447	CLOCK REQUEST @ PIPSDONE	T1=20310	SECONDS RUNNING	398051.282218	5619
07620	CLOCK REQUEST @ SERVICER	T1=20311	SECONDS RUNNING	398051.291160	4856
77167	CLOCK REQUEST @ RCSUPDAT	T1=20351	SECONDS RUNNING	398051.610415	7613
77[illegible]	CLOCK REQUEST @ RUPDATED	T1=20363	SECONDS RUNNING	398051.710084	9108
77257	CLOCK REQUEST @ VELUPDAT	T1=20363	SECONDS RUNNING	398051.710698	9056
7748	CLOCK REQUEST @ VUPDATED	T1=20376	SECONDS RUNNING	398051.829833	8889
[illegible]	CLOCK REQUEST @ REGIMS	T1=20420	SECONDS RUNNING	398052.001038	4280
07410	CLOCK REQUEST @ LUNLAND	T1=20421	SECONDS RUNNING	398052.017034	2915
7[illegible]4 7	CLOCK REQUEST @ DISPEXIT	T1=20512	SECONDS RUNNING	398052.583876	4544

DISPLAYS = 65 06 60 FLASH +00015 -00042 +00084 398053.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRLST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	CDUY	GRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398 53.0	1735.7 -	1.2	1.7	0.1 -	2.93	151.12	359.77 -	3.21	0.00 -	0.00	339 -	1	2967	568.7	0.00
11:34:13	153	1. -	.01	1.7	336.56	89.04	1.06	1.05	0.41 -	0.00 -	3	1	5032	1678	-936.67
LANDING	448 -	.09 -	.07 -	4.0	94	1.54	3.71 -	0.21	0.04 -	0.43 -	4	4	17439	5187	

107[illegible]7	CLOCK REQUEST @ READACCS	T1=20620	SECONDS RUNNING	398053.281038	5053
1[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=20620	SECONDS RUNNING	398053.282219	4952
76[illegible]	CLOCK REQUEST @ SERVICER	T1=20621	SECONDS RUNNING	398053.290152	4276
77127	CLOCK REQUEST @ RCSUPDAT	T1=20651	SECONDS RUNNING	398053.538904	3049
077251	CLOCK REQUEST @ RUPDATED	T1=20663	SECONDS RUNNING	398053.638160	4579
77257	CLOCK REQUEST @ VELUPDAT	T1=20663	SECONDS RUNNING	398053.638774	4526
774[illegible]	CLOCK REQUEST @ VUPDATED	T1=20702	SECONDS RUNNING	398053.763029	2217
7740	CLOCK REQUEST @ LUNLAND	T1=20721	SECONDS RUNNING	398053.934674	9276
[illegible]	CLOCK REQUEST @ REGIMS	T1=20724	SECONDS RUNNING	398053.961045	7026
72437	CLOCK REQUEST @ DISPEXIT	T1=21012	SECONDS RUNNING	398054.505625	0555

DISPLAYS = [illegible] FLASH +[illegible] - [illegible] +[illegible] 398055.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	X (STABLE MEMBER COORDS) - METRIC UNITS	V	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-P / BALL-R / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
398055.[illegible]	1735906 -	1.1	1.65	0.00 -	2.93	159.46	0.12 -	3.25 -	0.07 -	0.00	336	0	2946	568.6	0.00
110:34:16	167	1.2	[illegible]	1.5	336.56	88.50	1.50	1.50 -	0.35	0.43 -	6	0	5935	1658	-936.67
LANDING	435 -	3.9 -	3.02 -	3.8	87	0.33	3.24	0.13 -	0.34 -	0.00 -	2	0	17419	5187	

107427	CLOCK REQUEST @ READACCS	T1=21130	SECONDS RUNNING	398055.281039	4386
107447	CLOCK REQUEST @ PIPSDONE	T1=21130	SECONDS RUNNING	398055.282220	4286
[illegible]	CLOCK REQUEST @ SERVICER	T1=21131	SECONDS RUNNING	398055.290134	3610
077127	CLOCK REQUEST @ PCSUPDAT	T1=21170	SECONDS RUNNING	398055.606476	6616
077251	CLOCK REQUEST @ RUPDATED	T1=21202	SECONDS RUNNING	398055.702746	8401
077257	CLOCK REQUEST @ VELUPDAT	T1=21202	SECONDS RUNNING	398055.703359	8348
077455	CLOCK REQUEST @ VUPDATED	T1=21216	SECONDS RUNNING	398055.825330	7940
101622	CLOCK REQUEST @ CCIMS	T1=21240	SECONDS RUNNING	398056.002425	2828
072410	CLOCK REQUEST @ LUNLAND	T1=21241	SECONDS RUNNING	398056.012843	1939
073437	CLOCK REQUEST @ DISPEXIT	T1=21332	SECONDS RUNNING	398056.586146	3017

DISPLAYS = [illegible] FLASH +[illegible] -[illegible] +[illegible] 398057.000000

398057.[illegible]	1735934 -	1.1	[illegible]	[illegible] -	2.93	159.68	359.95 -	3.30	0.01 -	0.00	336 -	2	2943	568.5	0.00
110:34:17	156	1.2 -	1.70	1.2	336.56	88.83	1.22	1.21	0.05 -	0.00 -	5	1	5939	1638	-936.67
LANDING	432 -	4.0 -	3. -	.6	80	0.41	3.30 -	0.04	0.50 -	0.32 -	6	5	17399	5187	

107427	CLOCK REQUEST @ READACCS	T1=21440	SECONDS RUNNING	398057.281038	3720
107447	CLOCK REQUEST @ PIPSDONE	T1=21440	SECONDS RUNNING	398057.282219	3619
[illegible]	CLOCK REQUEST @ SERVICER	T1=21441	SECONDS RUNNING	398057.291473	2829
077127	CLOCK REQUEST @ PCSUPDAT	T1=21471	SECONDS RUNNING	398057.539967	1625
077[illegible]	CLOCK REQUEST @ RUPDATED	T1=21504	SECONDS RUNNING	398057.641898	2926
077257	CLOCK REQUEST @ VELUPDAT	T1=21504	SECONDS RUNNING	398057.642512	2874
077455	CLOCK REQUEST @ VUPDATED	T1=21522	SECONDS RUNNING	398057.788709	0399
072410	CLOCK REQUEST @ LUNLAND	T1=21541	SECONDS RUNNING	398057.934402	7966

[illegible]	CLOCK REQUEST @ DIGIMS	T1=21544	SECONDS RUNNING	398057.961065	5691
073437	CLOCK REQUEST @ DISPEXIT	T1=21633	SECONDS RUNNING	398058.510241	8828

DISPLAYS = 65 06 6 FLASH +00009 -00035 +00063 398059.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER COORDS)	V	B	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
				FCPVEL	LONG	PITCH	BALL-P	COUY	CRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398059.2	1735901 -	1.0	1.65	0.0 -	2.93	159.75	0.30 -	3.38	0.00 -	0.00	336	0	2922	568.5	0.00
110:34:1	170	1.0	0.00	1.1	336.56	8.95	1.07	1.08	0.12	0.10 -	4	0	5943	1619	-936.67
LANDING	421 -	4.0 -	0.01 -	3.4	73	0.03	3.38	0.20 -	0.26 -	0.00 -	4	0	17379	5187	

107437	CLOCK REQUEST @ READACCS	T1=21750	SECONDS RUNNING	398059.281038	3053
107447	CLOCK REQUEST @ PIPSDONE	T1=21750	SECONDS RUNNING	398059.282217	2953
76[illegible]	CLOCK REQUEST @ SERVICER	T1=21751	SECONDS RUNNING	398059.290122	2278
0771[illegible]7	CLOCK REQUEST @ PCSUPDAT	T1=22010	SECONDS RUNNING	398059.609318	5040
[illegible]7725	CLOCK REQUEST @ RUPDATED	T1=22022	SECONDS RUNNING	398059.706454	6751
077[illegible]57	CLOCK REQUEST @ VELUPDAT	T1=22022	SECONDS RUNNING	398059.707067	6699
[illegible]77485	CLOCK REQUEST @ VUPDATED	T1=22036	SECONDS RUNNING	398059.829925	6215
101[illegible]32	CLOCK REQUEST @ RDCIMS	T1=22060	SECONDS RUNNING	398060.003205	1428
[illegible]72410	CLOCK REQUEST @ LUNLAND	T1=22061	SECONDS RUNNING	398060.013611	0540
073437	CLOCK REQUEST @ DISPEXIT	T1=22152	SECONDS RUNNING	398060.586117	1687

DISPLAYS = 65 6 60 FLASH +00008 -00033 +00057 398061.000000

398061.2	1735899 -	1.0	1.63	0.1 -	2.93	159.50	0.36 -	3.31	0.01 -	0.00	332 -	1	2902	568.5	0.00
110:34:21	164	1.0	0.01	1.0	336.56	88.81	1.09	1.10 -	0.29	0.32 -	3	1	5946	1599	-936.67
LANDING	415 -	4.1 -	0.1 -	3.3	67 -	0.02	3.31	0.36	0.17 -	0.00 -	3	4	17260	5187	

107437	CLOCK REQUEST @ READACCS	T1=22260	SECONDS RUNNING	398061.281038	2387
107447	CLOCK REQUEST @ PIPSDONE	T1=22260	SECONDS RUNNING	398061.282219	2286
076[illegible]	CLOCK REQUEST @ SERVICER	T1=22261	SECONDS RUNNING	398061.290151	1609
0771[illegible]7	CLOCK REQUEST @ PCSUPDAT	T1=22311	SECONDS RUNNING	398061.538517	0415
077[illegible]	CLOCK REQUEST @ RUPDATED	T1=22324	SECONDS RUNNING	398061.641482	1629
077[illegible]7	CLOCK REQUEST @ VELUPDAT	T1=22324	SECONDS RUNNING	398061.642096	1576

077401	CLOCK REQUEST 3 VUPDATED	T1=22342	SECONDS RUNNING	398061.787034	9208
072410	CLOCK REQUEST 1 LUNLAND	T1=22360	SECONDS RUNNING	398061.929311	7067
101[illegible]	CLOCK REQUEST 3 RCDIMS	T1=22364	SECONDS RUNNING	398061.961038	4360
077427	CLOCK REQUEST 1 DISPEXIT	T1=22452	SECONDS RUNNING	398062.506402	7822

DISPLAYS = 65 F 6 FLASH +00006 -00032 +00051 398063.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	R (STABLE MEMBER COORDS) / METRIC UNITS	V	A	LATVEL / RCVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / GRATE / RRATE	ATT-X / ATT-Y / ATT-Z	OPPX / OPPY / OPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
398062.02	172557 -	0.0	1.66	(0) -	2.93	159.87	0.09 -	3.31	0.02 -	0.00	334	0	2912	568.5	0.00
110:34:[illegible]	177	1.02 -	0.00	0.0	336.56	89.23	0.75	0.75	0.10 -	0.00 -	4	0	5550	1579	-936.67
LANDING	404 -	+0.1 -	0.01 -	3.02	61	0.13	3.31	0.09 -	0.13 -	0.00 -	2	0	17340	5187	

107417	CLOCK REQUEST 0 READACCS	T1=22570	SECONDS RUNNING	398063.281038	1720
107447	CLOCK REQUEST 1 PIPSDONE	T1=22570	SECONDS RUNNING	398063.282217	1619
076[illegible]	CLOCK REQUEST 1 SERVICER	T1=22571	SECONDS RUNNING	398063.291160	0856
077127	CLOCK REQUEST 0 POSUPDAT	T1=22630	SECONDS RUNNING	398063.606575	3941
077251	CLOCK REQUEST 2 RUPDATED	T1=22642	SECONDS RUNNING	398063.706630	5403
077257	CLOCK REQUEST 0 VELUPDAT	T1=22642	SECONDS RUNNING	398063.707243	5350
077465	CLOCK REQUEST 3 VUPDATED	T1=22656	SECONDS RUNNING	398063.826468	5176
101[illegible]	CLOCK REQUEST 0 RCDIMS	T1=22700	SECONDS RUNNING	398064.001058	0278
072410	CLOCK REQUEST 0 LUNLAND	T1=22701	SECONDS RUNNING	398064.012360	9314
072427	CLOCK REQUEST 2 DISPEXIT	T1=22771	SECONDS RUNNING	398064.578041	1042

DISPLAYS = 65 [illegible] FLASH +00006 -00031 +00045 398065.000000

398065.[illegible]	175815 -	[illegible]	1.[illegible]	(0) -	2.93	159.87	0.08 -	3.25	0.00 -	0.00	331 -	2	2878	568.5	0.00
110:34:25	166	1.02	0.01	0.0	336.56	89.34	0.53	0.56	0.24 -	0.00 -	3	1	5554	1559	-936.67
LANDING	397 -	4.1 -	0.00 -	3.01	54 -	0.19	3.25	0.38	0.01	0.21 -	1	5	17320	5187	

107417	CLOCK REQUEST 4 READACCS	T1=23100	SECONDS RUNNING	398065.281058	1052
107447	CLOCK REQUEST 4 PIPSDONE	T1=23100	SECONDS RUNNING	398065.282260	0949
076[illegible]	CLOCK REQUEST 3 SERVICER	T1=23101	SECONDS RUNNING	398065.290340	0259
077127	CLOCK REQUEST 4 POSUPDAT	T1=23132	SECONDS RUNNING	398065.541619	8817

7726	CLOCK REQUEST a FUPDATED	T1=23146	SECONDS RUNNING	398065.669050	7943
077257	CLOCK REQUEST a VELUPDAT	T1=23146	SECONDS RUNNING	398065.669664	7890
77455	CLOCK REQUEST a VUPLATED	T1=23162	SECONDS RUNNING	398065.788511	7749
07241	CLOCK REQUEST a LUNLAND	T1=23201	SECONDS RUNNING	398065.934313	5307
101632	CLOCK REQUEST a RDGINS	T1=23204	SECONDS RUNNING	398065.961049	3026
073437	CLOCK REQUEST a DISPEXIT	T1=23272	SECONDS RUNNING	398066.507132	6426

DISPLAYS = 65 06 6 FLASH +00005 -00031 +00039 398067.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	RRATE	ATT-X	DPPX	DCX	THRUST	RCS	APOLU
	(TABLE MEMBER CYCLES)			FCRVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
398067.	17558 3 -	0.9	1.62	0.1 -	2.93	160.09	359.92 -	3.25	0.04 -	0.00	332	0	2894	568.4 -	0.00
110:34:27	18	1.2 -	[illegible]	0.3	336.56	89.27	0.77	0.70	0.01 -	0.00 -	5	0	5561	1540	-936.67
LANDING	386 -	1.2 -	[illegible] -	0.1	48	0.50	3.24 -	0.07	0.08 -	0.00 -	1	0	17301	5187	

107437	CLOCK REQUEST a READACCS	T1=23410	SECONDS RUNNING	398067.281038	0387
107447	CLOCK REQUEST a PIPSDONE	T1=23410	SECONDS RUNNING	398067.282217	0286
076276	CLOCK REQUEST a SERVICER	T1=23411	SECONDS RUNNING	398067.290122	9611
077127	CLOCK REQUEST a POSUPDAT	T1=23450	SECONDS RUNNING	398067.605512	2698
77251	CLOCK REQUEST a RUPDATED	T1=23462	SECONDS RUNNING	398067.702091	4457
077257	CLOCK REQUEST a VELUPDAT	T1=23462	SECONDS RUNNING	398067.702705	4404
07745	CLOCK REQUEST a VUPLATED	T1=23476	SECONDS RUNNING	398067.823413	4104
101630	CLOCK REQUEST a RDGINS	T1=23520	SECONDS RUNNING	398068.001038	8947
07241	CLOCK REQUEST a LUNLAND	T1=23521	SECONDS RUNNING	398068.010322	8154
073437	CLOCK REQUEST a DISPEXIT	T1=23611	SECONDS RUNNING	398068.575324	9941

DISPLAYS = 65 6 FLASH +00005 -00031 +00023 398069.000000

398069.2	17558 2 -	[illegible]	0.1 - 2.93 160.09	0.08 - 3.21 - 0.01 - 0.00	331 - 1 2872 568.4 - 0.00
110:34:29	174	1.2 - [illegible]	0.7 336.56 89.54	0.43 0.02 - 0.07 - 0.10 -	4 2 5561 1520 -936.67
LANDING	385 -	4.2 - [illegible] -	3.0 43 0.05	3.21 0.07 - 0.19 - 0.0	0 4 17261 5187

107437	CLOCK REQUEST a READACCS	T1=23720	SECONDS RUNNING	398069.281038	9720
107447	CLOCK REQUEST a PIPSDONE	T1=23720	SECONDS RUNNING	398069.282219	9619

076200	CLCCK REQUEST @ SERVICER	T1=23721	SECONDS RUNNING	398069.291473	8829
077127	CLCCK REQUEST @ POSUPDAT	T1=23752	SECONDS RUNNING	398069.541263	7514
077251	CLCCK REQUEST @ VUPLATEC	T1=23764	SECONDS RUNNING	398069.642533	8872
077257	CLCCK REQUEST @ VELUPDAT	T1=23764	SECONDS RUNNING	398069.643146	8820
077455	CLCCK REQUEST @ VUPDATED	T1=24002	SECONDS RUNNING	398069.789659	6318
07241	CLCCK REQUEST @ LUNLAND	T1=24021	SECONDS RUNNING	398069.935085	3908
101632	CLCCK REQUEST @ RCCIMS	T1=24024	SECONDS RUNNING	398069.961040	1693
073437	CLCCK REQUEST @ FISPEXIT	T1=24112	SECONDS RUNNING	398070.506727	5128
DISPLAYS =	65 06 6C FLASH +CCCC4 -CCC29 +CCC27				398071.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	F (STABLE MEMBER METRIC UNITS	V CCC(CS) ALTRATE	A LATVEL FORVEL ALT	LAT LONG RELL	YAW PITCH BALL-Y	BALL-P BALL-P CDUZ	CDUX CDUY RRATE	PPATE QRATE ATT-Z	ATT-X ATT-Y DPPZ	DPPX DPPY DGZ	DGX DGY APS	THRUST DELTAV MASS	RCS DPS APS	APDLU PERILU
398071.62	172880 -	1.09	0.1 -	2.93	160.27	0.23 -	3.16	0.05 -	0.00	331	0	2877	568.4 -	0.00
110:34:31	188	1.62	0.0	0.7	336.56	89.24	0.69	0.70	0.08 -	0.00 -	5	0	5964	1501 -936.67
LANDING	374 -	4 -	0.0 -	3.0	37 -	0.00	3.15	0.23	0.43	0.10	0	0	17262	5187

107437	CLCCK REQUEST @ REDACCS	T1=24230	SECONDS RUNNING	398071.281038	9053
107447	CLCCK REQUEST @ PIPSDONE	T1=24230	SECONDS RUNNING	398071.282219	8952
076200	CLCCK REQUEST @ SERVICER	T1=24231	SECONDS RUNNING	398071.290127	8278
077127	CLCCK REQUEST @ POSUPDAT	T1=24270	SECONDS RUNNING	398071.603922	1500
077251	CLCCK REQUEST @ RUPDATED	T1=24301	SECONDS RUNNING	398071.699077	3381
077257	CLCCK REQUEST @ VELUPDAT	T1=24301	SECONDS RUNNING	398071.699691	3328
077455	CLCCK REQUEST @ VUPDATED	T1=24316	SECONDS RUNNING	398071.821718	2915
101632	CLCCK REQUEST @ RCCIMS	T1=24340	SECONDS RUNNING	398072.002022	7529
07241	CLCCK REQUEST @ LUNLAND	T1=24340	SECONDS RUNNING	398072.004228	7341
073437	CLCCK REQUEST @ FISPEXIT	T1=24426	SECONDS RUNNING	398072.544166	1266
DISPLAYS =	65 06 6C FLASH +CCCC4 -CCC29 +CCC21				398073.000000

398073.2	172888 -	0.09	1.62	0.2 -	2.93	160.18	0.21 -	3.15 -	0.01 -	0.00	331 -	2	2865	568.4 -	0.00
110:34:32	177	1.62 -	0.0	0.6	336.56	89.12	0.62	0.83	0.11 -	0.00 -	3	0	5968	1481 -936.67
LANDING	363 -	4.62 -	0.0 -	2.9	31	0.04	3.15	0.20 -	0.32	0.21 -	1	5	17242	5187

107437	CLOCK REQUEST @ READACCS	T1=24540	SECONDS RUNNING	398073.281038	8387
107447	CLOCK REQUEST @ RIPSCONE	T1=24540	SECONDS RUNNING	398073.282219	8286
76200	CLOCK REQUEST @ SERVICER	T1=24541	SECONDS RUNNING	398073.290151	7609
77127	CLOCK REQUEST @ PUSUPDAT	T1=24571	SECONDS RUNNING	398073.536352	6429
77251	CLOCK REQUEST @ RUPDATEC	T1=24604	SECONDS RUNNING	398073.641930	7590
77257	CLOCK REQUEST @ VELUPDAT	T1=24604	SECONDS RUNNING	398073.642544	7538
077455	CLOCK REQUEST @ VUPDATEC	T1=24622	SECONDS RUNNING	398073.788237	5106
17241C	CLOCK REQUEST @ LUNLAND	T1=24641	SECONDS RUNNING	398073.931074	2917
101632	CLOCK REQUEST @ RECINS	T1=24644	SECONDS RUNNING	398073.961050	0359
073437	CLOCK REQUEST @ LISPEXIT	T1=24732	SECONDS RUNNING	398074.503957	4031
DISPLAYS =	65 06 6 FLASH +00004 -00029 +00016				398075.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	P	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DRRX	DGX	THRUST	RCS	AROLU
	(STABLE MEMBER (CDRCS)			FERVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DRPY	DGY	DELTAV	DPS	RERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DRRZ	DGZ	MASS	APS	
398075.2	1735886 -	0.9	1.62	0.2 -	2.93	160.30	0.19 -	3.09	0.01 -	0.00	329	0	2859	568.4 -	0.00
11C:34:35	190	1.2	0.0	0.6	336.56	89.30	0.65	0.65 -	0.26 -	0.00 -	4	0	5972	1462	-936.67
LANDING	352 -	4.2 -	0.00 -	2.0	25	0.01	3.09	0.18	0.03	0.10 -	1	0	17223	5187	

107437	CLOCK REQUEST @ READACCS	T1=25050	SECONDS RUNNING	398075.281038	7720
107447	CLOCK REQUEST @ RIPSCONE	T1=25050	SECONDS RUNNING	398075.282217	7619
76200	CLOCK REQUEST @ SERVICER	T1=25051	SECONDS RUNNING	398075.291159	6856
77127	CLOCK REQUEST @ PUSUPDAT	T1=25110	SECONDS RUNNING	398075.605136	0064
77251	CLOCK REQUEST @ RUPDATEC	T1=25122	SECONDS RUNNING	398075.703960	1631
77257	CLOCK REQUEST @ VELUPDAT	T1=25122	SECONDS RUNNING	398075.704574	1578
077455	CLOCK REQUEST @ VUPDATEC	T1=25136	SECONDS RUNNING	398075.823913	1395
101632	CLOCK REQUEST @ RECINS	T1=25160	SECONDS RUNNING	398076.001160	6269
17241C	CLOCK REQUEST @ LUNLAND	T1=25160	SECONDS RUNNING	398076.009937	5521

ASTRNAUT PERFORMS ACTION NO C660170 AT TIME 398076.3312

****

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LEM:  ENGINE STOP BUTTON HAS BEEN PUSHED                                  TIME =  398076.3312 SECONDS
****  TRIM  IMBAL: ABOUT Y AXIS WAS-[illegible], ABOUT Z AXIS WAS 1   AUTOTHROTTLE WAS 0   (+1 OR -1 = ON , 0 = OFF)

                                                    -                 -                 -      2   -              2
LEM: T, DT, MASS(KG), ROLL, PITCH, YAW(DEG) / DV(M/SEC), ANGV(DEG/SEC) / A(M/SEC ), ANGA(DEG/SEC )
  3.9P7[illegible]1214  05          [illegible]0          7.8077364[illegible]78  03   1.6C248864464  02   8.95114670099  01   1.43801947250 -01
 -1.3068[illegible]4140  03  -[illegible]2430[illegible]72  03  -8.7396570466[illegible]  02  -2.6578327948  -02   1.2969932140[illegible] -02  -3.55409470188 -01
  1.8354[illegible]67  00  -2.13[illegible]021684 -03   1.0758959[illegible]45  -02   5.2742261861 -03   2.89048739437 -01  -1.34221845536 -01
 RCTATION OF ENGINE BELL ABOUT VEHICLE      AUTO THROTTLE                THRUST/10500 LBS     SPECIFIC IMPULSE
        Y AXIS   (DEG)    Z AXIS            COUNTER                                              (SEC)
 -5.2[illegible]727171351 -01   2.80[illegible]56776[illegible] -02          0.0                2.7230365422 -01   2.94766712041  02


        ***********************************************************
        LEM:  ENGINE MUST BE ARMED FOR TRIM GIMBAL OPERATION              TIME =  398076.4483 SECONDS
        ***********************************************************


        ***********************************************************
        LEM:  ENGINE MUST BE ARMED FOR TRIM GIMBAL OPERATION              TIME =  398076.4483 SECONDS
        ***********************************************************


   073437      CLOCK REQUEST 1 DISPLAY IT                          TI=25251        SECONDS RUNNING     398076.574345          7358

        ***********************************************************
        LEM:  ENGINE MUST BE ARMED FOR TRIM GIMBAL OPERATION              TIME =  398076.8483 SECONDS
        ***********************************************************


        ***********************************************************
        LEM:  DESCENT ENGINE THRUST HAS BEEN TURNED ON  (0=OFF,1=ON)      TIME =  398076.9022 SECONDS
        ***********************************************************


DISPLAYS =    [illegible]    06    [illegible]   FLASH   +00003  -00029  +00010                                          398077.000000

        ***********************************************************
        LEM:  ENGINE MUST BE ARMED FOR TRIM GIMBAL OPERATION              TIME =  398077.0483 SECONDS
        ***********************************************************


        ASTRAUT PERFORMS ACTION 6C00E6C171 AT TIME  2SPC77.1312


        ***********************************************************
LEM:  FINAL CONDITIONS -- PREFLIGHT WILL NOW BE IN CONTROL                TIME =  398077.1312 SECONDS
****  DPS PROPELLANT USED / TOTAL USABLE = .920489        RCS PROPELLANT USED / TOTAL USABLE = .040471
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LEM: T, QT, MASS(KG), ROLL, PITCH, YAW(DEG) / DV(M/SEC), ANGV(DEG/SEC) / A(M/SEC^2), ANGA(DEG/SEC^2)

3.983771 1237	05	0.	7.806019404417	03	1.602478159766	02	8.951295988731	01	4.109441570 46 -01
-1.307226044075	0.	-.193 4014101	-8.728814067591	02	-6.732125967 04	-03	2.155560077724	-01	-2.251527043 09 -01
-6.6620 6 3 70 -05	-.18 2457 71	-05	-1.848900 1810	-05	1.695613206213	-04	4.342534041 37	-05	3.643476379 40 -05

ROTATION OF ENGINE BELL ABOUT VEHICLE Y AXIS (DEG)	Z AXIS	AUTO THROTTLE COUNTER	THRUST/10500 LBS	SPECIFIC IMPULSE (SEC)	
-5.257271771351 -01	3.803 5567761 -02	0.	0.0	9.9999999999	13

LEM RCS JET 1	IS NOW 0	NFIRE =	40	TRCON =	5.257145	FUEL =	0.897009	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 2	IS NOW 0	NFIRE =	70	TRCON =	6.275655	FUEL =	1.078093	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 3	IS NOW 0	NFIRE =	6	TRCON =	0.155835	FUEL =	0.029671	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 4	IS NOW 0	NFIRE =	3	TRCON =	0.625996	FUEL =	0.104830	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 5	IS NOW 0	NFIRE =	52	TRCON =	5.648058	FUEL =	0.962800	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 6	IS NOW 0	NFIRE =	47	TRCON =	12.458370	FUEL =	2.241848	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 7	IS NOW 0	NFIRE =	4	TRCON =	0.122165	FUEL =	0.022781	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 8	IS NOW 0	NFIRE =	4	TRCON =	0.646167	FUEL =	0.108822	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 9	IS NOW 0	NFIRE =	69	TRCON =	6.265514	FUEL =	1.075747	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 10	IS NOW 0	NFIRE =	36	TRCON =	5.250094	FUEL =	0.886561	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 11	IS NOW 0	NFIRE =	6	TRCON =	0.155835	FUEL =	0.029671	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 12	IS NOW 0	NFIRE =	2	TRCON =	0.625996	FUEL =	0.104830	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 13	IS NOW 0	NFIRE =	42	TRCON =	5.439454	FUEL =	0.921737	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 14	IS NOW 0	NFIRE =	54	TRCON =	12.656266	FUEL =	2.279122	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 15	IS NOW 0	NFIRE =	4	TRCON =	0.122165	FUEL =	0.022781	FUEL (ALL JETS) =	10.875130	(KG)
LEM RCS JET 16	IS NOW 0	NFIRE =	4	TRCON =	0.646167	FUEL =	0.108822	FUEL (ALL JETS) =	10.875130	(KG)

ASTRNAUT SUBPROGRAM 72 ENDS AT TIME 398077.1312

ASTRNAUT PERFORMS ACTION 400060057 AT TIME 398077.1312

ENVCNTRL. DYNAMIC CONFIGURATION CHANGED FROM 3 TO 1 AT T = 398077.13 SEC. (WHERE 1=PRELUNCH,2=SATURN,3=VEHICLE,4=LVC)

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STAPLE MEMBER COORDS) / METRIC UNITS	R	V	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-R / BALL-P / BALL-Y	CDUX / CDUY / CDUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
398077.1	1715884 -	1.6 -	1.	0.2 -	2.93	160.30	359.76 -	3.12 -	0.00 -	0.00	241 -	1	2859	568.4 -	0.00
110:34:37	183	1.6 -	.0	0.5	336.56	83.30	0.58	0.57	0.21 -	0.00 -	4	2	5572	1448	-936.67
LANDING	251 -	4.6 -	3.0 -	5.1	25	0.01	3.12 -	0.25 -	0.22 -	0.00 -	1	4	17209	5187	

LUNAR TOUCHDOWN STATE

SELENOGRAPHIC COORDINATES OF THE LANDING SITE.

LAT =- [illegible] DEG LONG = [illegible] DEG ALT = [illegible] METERS

ALT: THE DISTANCE OF THE NAV BASE ABOVE THE LUNAR REF SPHERE OF RADIUS 1735400 METERS. NAV BASE IS 6 METERS ABOVE PLANE OF LANDING PADS.

MOON FIXED COORDINATES OF THE LANDING SITE.

([illegible], - [illegible], - [illegible]) METERS

POSITION VECTOR (REFERENCE COORDINATES)

(- 152740.0[illegible], [illegible]10092.413, [illegible]45C.9C1) METERS

VELOCITY VECTOR (REFERENCE COORDINATES)

(- 0.748, - 4.416, - 1.55[illegible]) METERS/SEC.

NAV BASE ANGULAR VELOCITY (VEH. COORDS.) NET ATTITUDE RATE

(- 0.00073, 0.21555, - 0.22[illegible]15) 0.31177 DEG./SEC.

NET ATTITUDE RATE MUST BE LESS THAN 2 DEG./SEC. SEE OPERATIONAL LIMITATIONS IN THE UMMDB.

VERTICAL VELOCITY HORIZONTAL VELOCITY (RELATIVE TO MOON)

- 5.129839 0.613758 FT./SEC.

LUNAR LANDING MUST TAKE PLACE WITHIN THE VELOCITY ENVELOPE GIVEN IN THE OPERATIONAL LIMITATIONS SECTION OF THE UNIV. MISSION MODULAR DATA BOOK

ANGLE BETWEEN LEM X AXIS AND LOCAL VERTICAL

0.241[illegible] DEGR.

THIS ANGLE MUST BE LESS THAN 6 DEGREES. SEE OPERATIONAL LIMITATIONS SECTION OF THE UNIV. MISSION MODULAR DATA BOOK.

NAV BASE ACCELERATION (REF. COORDS.) ABVAL(NAV BASE ACCELERATION)

(1.43185,- 0.74174,- 0.21[illegible]) 1.6274C METERS/SEC SQ.

VELOCITY DATA GOOD BIT CHANGED TO 0 AT T = 398077.28
RANGE DATA GOOD BIT CHANGED TO 0 AT T = 398077.28

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC	UNITS	CLERCS)	FCPVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	OPS APS	PERILU
398077.62	17[illegible]4	0.0	1.62	0.0 -	2.93	161.84	0.00 -	3.13	- 0.00 -	0.00	181	0	0	568.4 -	0.00
11:34:37	1[illegible]4	1.0	0.0 -	0.0	336.56	90.00	359.98 -	0.02	0.00 -	0.00 -	0	0	5977	1448	-936.67
LANDING	3[illegible] -	4.4	0.00	0.0	19 -	0.00	3.12	0.00	0.00 -	0.00 -	16	0	17209	5187	

107437	CLOCK REQUEST @ READACCS	T1=25360	SECONDS RUNNING	398077.281038	7053
107447	CLOCK REQUEST @ PIPSDONE	T1=25360	SECONDS RUNNING	398077.282217	6953
076200	CLOCK REQUEST @ SERVICER	T1=25361	SECONDS RUNNING	398077.290145	6276
077257	CLOCK REQUEST @ VELUPDAT	T1=25407	SECONDS RUNNING	398077.518203	6815
077455	CLOCK REQUEST @ VUPDATED	T1=25420	SECONDS RUNNING	398077.605808	9340
072410	CLOCK REQUEST @ LUNLAND	T1=25424	SECONDS RUNNING	398077.727009	8997
1010[illegible]	CLOCK REQUEST @ PECIMS	T1=25442	SECONDS RUNNING	398077.781040	4386
72437	CLOCK REQUEST @ DISPEXIT	T1=25504	SECONDS RUNNING	398078.127376	4832

DISPLAYS = 65 06 60 FLASH +00000 +00002 +00007 398079.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R (STABLE MEMBER)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC	UNITS	CLERCS)	FCPVEL ALTRATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	CDUY CDUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	OPS APS	PERILU
398079.62	1775.84	0.0	1.62	0.0 -	2.93	161.84	0.00 -	3.13	- 0.00 -	0.00	329 -	1	0	568.4 -	0.00
11:34:39	183	1.1	0.0 -	0.1	336.56	90.00	359.98 -	0.02	0.00 -	0.00 -	4	0	5980	1448	-936.67
LANDING	338 -	4.4	0.00	0.0	19 -	0.00	3.12	0.00	0.00 -	0.00	1	3	17209	5187	

107437	CLOCK REQUEST @ READACCS	T1=25670	SECONDS RUNNING	398079.281038	6387
107447	CLOCK REQUEST @ PIPSDONE	T1=25670	SECONDS RUNNING	398079.282217	6286
076200	CLOCK REQUEST @ SERVICER	T1=25671	SECONDS RUNNING	398079.290121	5611
072410	CLOCK REQUEST @ LUNLAND	T1=25731	SECONDS RUNNING	398079.611199	8213
1010[illegible]	CLOCK REQUEST @ PECIMS	T1=25736	SECONDS RUNNING	398079.661041	3960
07247	CLOCK REQUEST @ DISPEXIT	T1=26000	SECONDS RUNNING	398080.002077	4858

DISPLAYS = 5 0 6 FLASH +00003 +00001 +00008 398081.000000

398081.62 1775.84 0.0 1.62 0.0 - 2.93 161.84 0.00 - 3.13 - 0.00 - 0.00 330 0 0 568.4 - 0.00

```
110:34:41   197     [illegible]  -  [illegible] 336.56   [illegible]  359.98 -  0.02   0.00 -  0.00 -   4    0   5984   1448 -936.67
  LANDING   527 -   964  [illegible]  [illegible]  19 -  0.10   3.12   0.00   0.00 -  0.00     1    0  17209   5187

  [illegible]7437   CLOCK REQUEST [illegible] PIPACCS          T1=26200   SECONDS RUNNING   398081.281038   5720
  107447   CLOCK REQUEST 3 PIPSDONE          T1=26200   SECONDS RUNNING   398081.282217   5619
  [illegible]76[illegible]6   CLOCK REQUEST 4 SERVICER          T1=26201   SECONDS RUNNING   398081.291395   4836
  [illegible]72410   CLOCK REQUEST 5 LUNLAND          T1=26245   SECONDS RUNNING   398081.652630   4011
  [illegible]01432   CLOCK REQUEST 6 BLOINS          T1=26252   SECONDS RUNNING   398081.701045   9879
  [illegible]73437   CLOCK REQUEST 8 DISPEXIT          T1=26314   SECONDS RUNNING   398082.047920   0279
DISPLAYS =   65   [illegible]6   60  FLASH   +00003  +00002  +00006                                   398083.000000

SNAPSHOT   398083          SECONDS RUNNING   398083.000035
```

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	F (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS			ALTRATE	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
							BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
[illegible]	173[illegible]	[illegible]	[illegible]	[illegible] -	2.93	161.84	0.00 -	3.13 -	0.00 -	0.00	330 -	1	0	568.4 -	0.00
110:34:[illegible]	[illegible]	1.1	[illegible] -	0.0	336.56	90.00	359.98 -	0.02	0.00 -	0.00 -	[illegible]	1	5989	144[illegible]	-936.67
LANDING	32[illegible] -	4.[illegible]	[illegible]	[illegible]	19 -	0.00	3.12	0.00	0.00 -	0.00	1	4	17209	5187	

107437	CLOCK REQUEST @ [illegible]EADACCS	T1=26510	SECONDS RUNNING	398083.281038	5053
107447	CLOCK REQUEST @ PIPS[illegible]LNE	T1=26510	SECONDS RUNNING	398083.282217	4953
076200	CLOCK REQUEST @ SE[illegible]VICER	T1=26511	SECONDS RUNNING	398083.290121	4278
072410	CLOCK REQUEST @ LUNLAND	T1=26551	SECONDS RUNNING	398083.612732	6749
10163[illegible]	CLOCK REQUEST @ [illegible]GIMS	T1=26556	SECONDS RUNNING	398083.661053	2625
[illegible]	CLOCK REQUEST @ [illegible]ISPLEXIT	T1=26620	SECONDS RUNNING	398084.001177	3601

398085.2	173[illegible]884	[illegible]	[illegible]	[illegible] -	2.93	161.84	0.00 -	3.13 -	0.00 -	0.00	330	0	0	568.4 -	0.00
110:34:[illegible]	[illegible]	1.1	[illegible] -	0.0	336.56	90.00	359.98 -	0.02	0.00 -	0.00 -	4	0	5991	144[illegible]	-936.67
LANDING	[illegible] -	4.4	[illegible]	[illegible]	19 -	0.00	3.12	0.00	0.00 -	0.00	1	0	17209	5187	

107437	CLOCK REQUEST @ [illegible]EADACCS	T1=27020	SECONDS RUNNING	398085.281038	4387
107447	CLOCK REQUEST @ PIPSLINE	T1=27020	SECONDS RUNNING	398085.282217	4286
076200	CLOCK REQUEST @ SERVICER	T1=27021	SECONDS RUNNING	398085.290145	3609
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=27064	SECONDS RUNNING	398085.649480	2946
10163[illegible]	CLOCK REQUEST @ R[illegible]GIMS	T1=27072	SECONDS RUNNING	398085.701057	8545
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=27134	SECONDS RUNNING	398086.042401	9417

DISPLAYS = [illegible] [illegible] [illegible] FLASH +00003 +00002 +00009 398087.000000

398087.2	173[illegible]884	[illegible]	[illegible]	[illegible] -	2.93	161.84	0.00 -	3.13 -	0.00 -	0.00	329 -	2	0	568.4 -	0.00
110:34:[illegible]	[illegible]	1.1	[illegible] -	0.0	336.56	90.00	359.98 -	0.02	0.00 -	0.00 -	4	1	5995	144[illegible]	-936.67
LANDING	31[illegible] -	4.4	[illegible]	[illegible]	19 -	0.00	3.12	0.00	0.00 -	0.00	1	5	17209	5187	

107437	CLOCK REQUEST @ [illegible]EADACCS	T1=27330	SECONDS RUNNING	398087.281038	3720
107447	CLOCK REQUEST @ PIPSLINE	T1=27330	SECONDS RUNNING	398087.282217	3619
076200	CLOCK REQUEST @ SERVICER	T1=27331	SECONDS RUNNING	398087.291159	2856
07241[illegible]	CLOCK REQUEST @ LUNLAND	T1=27371	SECONDS RUNNING	398087.610774	5582

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  101632   CLOCK REQUEST @ PROGIMS                          T1=27376        SECONDS RUNNING     398087.661041        1293

  073437   CLOCK REQUEST @ DISPEXIT                         T1=27437        SECONDS RUNNING     398087.999693        2395

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      I      V      A    LATVEL     LAT     YAW   BALL-I   COLX   PRATE  ATT-X  OPPX  DGX  THRUST  RCS    APOLU
  (STABLE MEMBER COORDS)  PERVEL      LONG   PITCH   BALL-P   COUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  OPS    PERILU
 LANDING   METRIC UNITS   ALTRATE     ALT    ROLL    BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
 398[illegible]  174[illegible]84   [illegible]  1.72   0.0 -  2.93  161.84   0.00 -  3.13 - 0.00 - 0.00   330    0      0  568.4 -  0.00
110:34:49   207    1.1   2.0 -   0.0  336.56   90.00  359.98 -  0.02   0.00 - 0.00 -   5    0   5999   1448 -936.67
 LANDING    289 -  4.4   0.0 -   0.0     19 -  0.00    3.12   0.00   0.00 - 0.00    1    0  17209   5187

  107437   CLOCK REQUEST @ READACCS                         T1=27640        SECONDS RUNNING     398089.281038        3053

  107447   CLOCK REQUEST @ PIPSDONE                         T1=27640        SECONDS RUNNING     398089.282217        2953

  076200   CLOCK REQUEST @ SERVICER                         T1=27641        SECONDS RUNNING     398089.290145        2276

  072410   CLOCK REQUEST @ LUNLAND                          T1=27705        SECONDS RUNNING     398089.651592        1433

  101672   CLOCK REQUEST @ PROGIMS                          T1=27712        SECONDS RUNNING     398089.701045        7213

  073437   CLOCK REQUEST @ DISPEXIT                         T1=27754        SECONDS RUNNING     398090.043649        7977
DISPLAYS =   [illegible]  06   61  FLASH   +00003  +00002  +00010                                                 398091.000000

 398091.0[illegible]  174[illegible]84   0.0  1.72   0.0 -  2.93  161.84   0.00 -  3.13 - 0.00 - 0.00   330 -  1      0  568.4 -  0.00
110:34:51   200    1.1   0.0 -   0.0  336.56   90.00  359.98 -  0.02   0.00 - 0.00 -   4    2   6003   1448 -936.67
 LANDING    287 -  4.4   0.0     0.0     19 -  0.00    3.12   0.00   0.00 - 0.00    2    4  17209   5187

  107437   CLOCK REQUEST @ READACCS                         T1=30150        SECONDS RUNNING     398091.281038        2387

  107447   CLOCK REQUEST @ PIPSDONE                         T1=30150        SECONDS RUNNING     398091.282217        2286

  076200   CLOCK REQUEST @ SERVICER                         T1=30151        SECONDS RUNNING     398091.290121        1611

  072410   CLOCK REQUEST @ LUNLAND                          T1=30211        SECONDS RUNNING     398091.611116        4220

  101632   CLOCK REQUEST @ PROGIMS                          T1=30216        SECONDS RUNNING     398091.661053        9959

  073437   CLOCK REQUEST @ DISPEXIT                         T1=30260        SECONDS RUNNING     398092.001463        0910
DISPLAYS =   65   06   61  FLASH   +00002  +00002  +00010                                                           398093.000000

 398092.2  174[illegible]84   0.0  1.[illegible]   0.0 -  2.93  161.84   0.00 -  3.13 - 0.00 - 0.00   329    0      0  568.4 -  0.00
110:34:53   214    1.1   0.0 -   0.0  336.56   90.00  359.98 -  0.02   0.00 - 0.00 -   4    0   6006   1448 -936.67
 LANDING    276 -  4.4   0.0     0.0     19 -  0.00    3.12   0.00   0.00 - 0.00    1    0  17209   5187

  107437   CLOCK REQUEST @ READACCS                         T1=30480        SECONDS RUNNING     398093.281038        1720
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  1 7447     CLOCK REQUEST @ PIPSDONE                    T1=30460     SECONDS RUNNING     398093.282217     1619
  76200      CLOCK REQUEST @ SERVICER                    T1=30461     SECONDS RUNNING     398093.291395     0836
  07241C     CLOCK REQUEST @ LUNLAND                     T1=30525     SECONDS RUNNING     398093.652654     0009
  101632     CLOCK REQUEST @ ROCIMS                      T1=30532     SECONDS RUNNING     398093.701045     5879
  72437      CLOCK REQUEST @ DISPEXIT                    T1=30574     SECONDS RUNNING     398094.047636     6303
DISPLAYS =   65   06   66  FLASH   +00003  +00002  +00010                                                   398095.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      F      V      A    LATVEL    LAT    YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER COORDS)  FORVEL   LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY   DELTAV  OPS   PERILU
 LANDING   METRIC UNITS         ALTRATE  ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ    MASS  APS

 398095.2  17755.64     .     10.2     0.0 -  2.93  161.84    0.00 -  3.13 - 0.00 - 0.00   330 -  2      0  568.4 -  0.00
110:34:55     203     101     0.0 -    0.0  336.56   90.00  359.98 -  0.01   0.00 - 0.00 -   5    1   6010  1448 -936.67
 LANDING      268 -   4.4     0.0      0.0       19 -  0.00    3.12   0.00   0.00 - 0.00     1    5  17209  5187

  107437     CLOCK REQUEST @ READACCS                    T1=30770     SECONDS RUNNING     398095.281038     1053
  107447     CLOCK REQUEST @ PIPSDONE                    T1=30770     SECONDS RUNNING     398095.282217     0953
  76200      CLOCK REQUEST @ SERVICER                    T1=30771     SECONDS RUNNING     398095.290121     0278
  07241C     CLOCK REQUEST @ LUNLAND                     T1=31031     SECONDS RUNNING     398095.612496     2769
  101632     CLOCK REQUEST @ ROCIMS                      T1=31036     SECONDS RUNNING     398095.661041     8626
  72437      CLOCK REQUEST @ DISPEXIT                    T1=31077     SECONDS RUNNING     398095.999952     9706
DISPLAYS =   65   06   66  FLASH   +00003  +00002  +00011                                                   398097.000000

        ASTRONAUT KEYSTROKE "VERB"          FOR TIME  398097.131
        ASTRONAUT KEYSTROKE       1         FOR TIME  398097.381
        ASTRONAUT KEYSTROKE       7         FOR TIME  398097.631
        ASTRONAUT KEYSTROKE "ENTER"         FOR TIME  398097.881
        ASTRONAUT KEYSTROKE       6         FOR TIME  398098.131
        ASTRONAUT KEYSTROKE       9         FOR TIME  398098.381
        ASTRONAUT KEYSTROKE "ENTER"         FOR TIME  398098.631

 398097.2  7354.4     .     10.2     0.0 -  2.93  161.84    0.00 -  3.13 - 0.00 - 0.00   330    0      0  568.4 -  0.00
110:34:57     216     101     0.0 -    0.0  336.56   90.00  359.98 -  0.01   0.00 - 0.00 -   4    0   6014  1448 -936.67
 LANDING      257 -   4.4     0.0      0.0       19 -  0.00    3.12   0.00   0.00 - 0.00     1    0  17209  5187

  107437     CLOCK REQUEST @ READACCS                    T1=31300     SECONDS RUNNING     398097.281038     0387
  107447     CLOCK REQUEST @ PIPSDONE                    T1=31300     SECONDS RUNNING     398097.282217     0286
  76200      CLOCK REQUEST @ SERVICER                    T1=31301     SECONDS RUNNING     398097.291195     9520
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07241    CLOCK REQUEST 4 LUNLAND                          T1=31346     SECONDS RUNNING    398097.663789     7725

07254    CLOCK REQUEST 2 REGIMS                           T1=31354     SECONDS RUNNING    398097.721052     2839

DISPLAYS =   65   37   XX   FLASH   +00003  +00002  +00011                          RELEASE DISPLAY        398098.000001

07247    CLOCK REQUEST 7 DISPEXIT                         T1=31420     SECONDS RUNNING    398098.083747     1889

DISPLAYS =   65   37   XX           +00003  +00002  +00011                          RELEASE DISPLAY        398099.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        X        V        A    LATVEL    LAT     YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRLST  RCS   APOLU
          (TABLE MEMBER COORDS)      FORVEL    LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING     METRIC UNITS          ALTRATE     ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

 398099.2  1735884    0.0    1.67     0.0 -  2.93  161.84    0.00 -  3.13 - 0.00 - 0.00   330 -  1      0  568.4 -  0.00
110:34:59     210     1.01   3.0 -    0.9  336.56   90.00  359.98 -  0.01   0.00 - 0.00 -   4    1   6018   1448 -936.67
  LANDING     245 -   4.4    3.00 -   0.0     19 -  0.00    3.12    0.00   0.00 - 0.00     1    4  17209   5187

07447    CLOCK REQUEST 1 REALACCS                         T1=31610     SECONDS RUNNING    398099.281038     9720

07447    CLOCK REQUEST 4 PIPSDONE                         T1=31610     SECONDS RUNNING    398099.282217     9619

07626    CLOCK REQUEST 4 SERVICER                         T1=31610     SECONDS RUNNING    398099.285485     9340

10136    CLOCK REQUEST 0 REGIMS                           T1=31654     SECONDS RUNNING    398099.641058     8998

10000    ERASABLE PROTECTION VIOLATION                    T1=33343     SECONDS RUNNING    398107.871922     6631

LOC    INST      A      L      X BEFORE    X AFTER    X(DEC) AFTER    Q    BBANK  TIME3  TIME4  TIME5  TIME6  MCTS   ACC TIME
2152  TS    107  40000  2151      33343      40000  -0.99993964  00002  10007  33447  37772  37770  37777  737  8107.87192

DISPLAYS =   68   37   XX           +00003  +00002  +000XX                                                        398108.000015

DISPLAYS =   60   06   43   FLASH   -CC294  -C234X  -X0000                                                        398109.000000

      T =  3??109.127.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 68     VE  6     NOUN 43     FLASH 1                                          CK FAIL 0   PGM ALM 0   PFL DSPLY 0
UPLINK 0                                        R1 -  254    R2 - 2344  R3 +    0

DISPLAYS =   68   06   43   FLASH   -CC294  -C2344  -CCCC0                                                        398110.000000

      ASTRONAUT PERFORMS ACTION 60 0660136 AT TIME  398111.1278

      ASTRONAUT KEYSTROKE     PROCEED

DISPLAYS =   6?   7   XX   FLASH    XXXXX   XXXXX   XXXXX                                                        398112.000000

      ASTRONAUT KEYSTROKE "VERB"              FOR TIME  398123.277
      ASTRONAUT KEYSTROKE     6               FOR TIME  398123.527
      ASTRONAUT KEYSTROKE     2               FOR TIME  398123.777
      ASTRONAUT KEYSTROKE "ENTER"             FOR TIME  398124.027
```

DISPLAYS [illegible] 59 XX FLASH XXXXX XXXXX XXXXX RELEASE DISPLAY 398124.000000

116037 PROGRAM LUMINACY COMPLETED T1=36463 SECONDS RUNNING 398124.031235 7703

SNAPSHOT 398124 SECONDS RUNNING 398124.031235

E X I T D U M P

COUNT OF DOWNRUPTS LOST = 0000000000 D
LAST LOSS AT TIME = NONE

LAST INTERRUPT AT LOCATION = 04024 TIME = 396124.027837

TOTAL ACC TIME = 9[illegible]11235 31% IN ADVAN 17% IN INTERRUPT

DRUM READS TO FETCH F-BANKS = 00022586

INTERRUPT INHIBIT FLOP:ALLOWED
MODE:NOT INTERRUPTED

BLK2 SPECIAL AND CENTRAL REGISTERS

0000	A 00000	L 02077	Q 02002	EBANK 00400	FBANK 66000	Z 02040	BBANK 66001	ZERO 00000
0010	ALUPT 10000	LRLPT 00110	QRUPT 03301	04575	36462	ZRUPT 10067	BBRUPT 02001	BRUPT 10067
0020	CYR [illegible]	SR 00011	CYL 00001	ECOP 00000	TIME2 04575	TIME1 36463	TIME3 36567	TIME4 37766

ERASABLE MEMORY DUMP

		00000	00001	00002	00003	00004	00005	00006	00007
0000	E0,1430	37776	37777	77343	77777	00001	12345	12345	00073
0040	1440	77776	77777	12345	12345	12345	00000	00000	77777
0050	1450	77777	77777	77777	77777	77777	70020	12345	12345
0060	1460	60000	10000	00047	30110	00000	00000	02007	00000
0070	1470	00001	42106	02163	00034	04010	40000	42004	16004
0100	1500	10000	40220	00043	00100	56200	00004	10000	40000
0110	1510	00352	61316	12345	12345	02216	00001	01644	00034
0120	1520	00110	00000	76763	00000	00037	00000	00000	00000
0130	1530	00000	77777	00000	03470	60000	00012	05155	00000
0140	1540	00002	00011	05600	00000	02143	01661	24261	71572
0150	1550	02200	02202	02204	24247	00035	00105	00000	00002
0160	1560	23410	77773	11254	20000	20062	00110	00110	30110
0170	1570	33060	00000	03055	00002	03410	03055	11254	13000
0200	1600	21302	00007	00455	44322	10603	10100	00024	00002
0210	1610	23410	00024	11254	20000	00000	02002	00401	77777
0220	1620	10462	00045	00000	00000	00071	01400	11254	20000
0230	1630	00000	60107	00110	77777	77776	02351	77777	00000
0240	1640	00071	01400	03272	20000	00000	66067	00110	77777
0250	1650	77776	02351	77777	00000	00071	01400	62424	30000
0260	1660	00000	66067	00110	77777	32131	12700	00000	00001
0270	1670	40410	00000	42424	30000	00001	00100	00005	77777
0300	1700	12345	12345	12345	12345	12345	12345	12345	12345
0310	1710	12345	12345	12345	77777	12345	12345	12345	12345
0320	1720	00000	77343	77744	00021	00506	70416	77777	14640
0330	1730	00001	40076	77777	00004	02316	03515	00322	32137

[illegible]	1740		00012	04575	00001	00000	04575	25160	00000	77777
[illegible]	1750		04575	25050	00000	00012	12345	12345	00074	00021
[illegible]	1760		77346	00000	12345	12345	04575	25050	13000	12345
[illegible]	1770		14504	11343	12345	66342	10034	00000	00000	00000
[illegible]	E1,1400		00400	17777	32106	00040	01130	00054	16774	77742
[illegible]	1410		55553	17763	2332	77102	60741	77721	73301	00675
[illegible]	1420		11464	17763	30212	00000	00057	77777	77102	77777
0430	1430		60013	11233	77777	12571	00000	05562	66741	01725
0440	1440		73435	74420	60765	10000	00052	20000	00052	77763
0450	1450		77773	37777	37622	61247	00000	07002	21412	12535
[illegible]	1460		23106	11504	16246	00533	33646	00165	15602	00755
[illegible]	1470		26565	00306	06177	01553	00345	07136	32222	02704
[illegible]	1500		32372	60034	75155	01153	67201	00454	02674	76520
[illegible]	1510		36742	61152	71641	72030	73767	00057	10706	72012
[illegible]	1520		57745	16656	10724	00005	00002	33520	51704	53712
[illegible]	1530		00530	15563	20216	00032	07332	67616	46655	77750
[illegible]	1540		60227	17777	34074	00014	72461	10161	30300	00002
[illegible]	1550		75403	15563	17266	00011	12127	00000	00111	00017
[illegible]	1560		14643	12345	12345	36101	12345	35522	12345	35145
[illegible]	1570		12345	12345	12345	10000	03173	20000	03172	77743
[illegible]	1580		12345	12345	12345	61247	00604	12345	12345	12345
[illegible]	1610	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
[illegible]	1660	<<---- UNTIL	00660	12345	12345	12345	12345	12345	12345	12345
[illegible]70	1670		12345	12345	12345	12345	12345	12345	12345	12345
[illegible]	1700		12345	12345	12345	12345	05105	02613	26063	04631
0710	1710		12345	12345	12345	12345	12345	12345	12345	12345
[illegible]72	1720		12345	12345	12345	12345	12345	12345	12345	12345
[illegible]73	1730		12345	12345	12345	12345	12345	77776	55570	00001
0740	1740		22207	77100	61357	17777	37777	17777	37777	17763
[illegible]	1750		30524	77777	00000	77777	00000	77777	00000	77744
[illegible]	1760		00033	77777	00000	77777	00000	77777	57777	00000
0770	1770		20000	77561	57777	00005	00104	00011	77754	00000
[illegible]	E2,1400		00105	00000	64231	74454	00001	00000	77776	77444
[illegible]	1410		00104	00000	00000	00000	00000	00000	24261	00000
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1030	1430		04000	04000	04000	05637	05635	00024	00001	00000
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1050	1450		12345	12345	63177	12345	27504	20000	55321	27704
[illegible]	1460		71271	13000	46167	20000	55320	12345	77377	12345
1070	1470		50630	03410	03055	00000	31610	37752	35643	77776
1100	1500		00000	47777	12345	12345	04575	31657	12345	12345
1110	1510		00004	12345	00230	12345	04575	31610	12345	77571
1120	1520		11546	75724	03323	77777	77776	00013	32634	77775
1130	1530		44003	77777	26650	00175	02512	77705	72463	77763
1140	1540		52272	12345	12345	12345	12345	12345	03453	02003
1150	1550		04570	34711	77777	16703	77343	77777	00000	00000
1160	1560		00000	00000	02470	74137	12345	12345	12345	12345
1170	1570	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
1210	1610	<<---- UNTIL	12345	12345	12345	12345	12345	12345	12345	77721
1220	1620		54261	00030	04410	00007	03703	77775	43015	77773
1230	1630		45025	77775	77225	04575	31610	77775	75266	00000
1240	1640		77775	77777	77771	03565	54464	00505	77777	00310
1250	1650		00044	03661	44067	77265	00004	77776	00001	00000
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1270	1670		00034	77776	37635	00000	00000	00000	00000	37021

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[illegible]	1660	77505	61307	00140	22040	00034	17414	77764	54067	
[illegible]	1670	77754	64127	77767	75127	00000	00000	00000	00000	
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[illegible]	1530		11463	11463	11463	06315	06315	06315	03146	14370	
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2[illegible]10	1610		77775	52455	00660	21756	17764	22220	00000	00000	
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2640	1640		00000	00000	00053	77170	77777	77777	60352	52353	
2650	1650		77040	46263	74242	70472	12345	12345	12345	12345	
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2670	1670		00001	22206	77776	61433	17763	30524	77100	61357	
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2720	1720	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345	
2740	1740 <<----	UNTIL	12345	12345	12345	12345	12345	12345	71340	12345	
2750	1750	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345	
2770	1770 <<----	UNTIL	12345	12345	45705	12345	12345	12345	77765	00002	
[illegible]	E6,14[illegible]		02357	05556	04431	77001	00012	00074	77001	00000	
[illegible]	1610		00074	00200	02162	00163	00003	37751	01572	76204	
[illegible]	1620		37752	00007	00101	77645	00000	00000	00002	00020	
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[illegible]70	1670		37777	00000	00000	00000	00000	76777	77445	02720	
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[illegible]	1570	17445	07651	07632	37777	37777	72650	72715	76353
[illegible]	1600	76361	00155	00155	00155	00155	77777	77777	17221
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3240	1640	00000	00000	00000	00000	00000	00000	03400	63436
[illegible]	1650	00000	00000	00400	00050	03254	00000	03614	77777
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[illegible]	1700	77773	00000	00000	00046	23267	77773	32744	77777
3310	1710	77724	00002	16772	07777	34645	77743	62066	01570
[illegible]	1720	07664	77742	26502	70141	62207	00000	76112	01330
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3340	1740	00000	00351	00000	00004	00002	02743	00000	00000
3350	1750	00000	77740	00000	03273	00000	12007	22456	40000
3360	1760	00001	00002	00007	00016	77777	77777	77777	00000
3370	1770	00000	00000	12345	12345	12345	12345	12345	12345
3400	E7,1400	00001	03120	00001	03120	65252	00000	12525	25252
3410	1410	40000	52525	10000	10000	10000	10000	10000	10000
[illegible]	1420	35610	13146	05050	01407	00226	76240	77743	01407
3430	1430	57777	00000	17500	12345	12345	12345	12345	12345
3440	1440	12345	04571	22456	00002	00000	00000	00000	12345
[illegible]	1450	12345	12345	12345	77776	37635	02100	12345	00074
3460	1460	00021	77346	00000	00050	03271	01644	35273	01720
3470	1470	67770	00005	37744	77777	02376	00000	11360	04300
3500	1500	16703	12345	12345	12345	12345	12345	12345	05072
3510	1510	20420	04572	62454	00020	24443	00001	12345	12345
3520	1520	03240	46566	77777	02336	77777	10615	77777	02414
[illegible]	1530	00002	57274	77772	46003	77777	00071	17777	37776
3540	1540	00000	13605	00001	12321	77721	54261	00030	04410
3550	1550	00007	03703	77775	43015	77773	45025	77775	77225
3560	1560	04575	04575	34062	75266	00000	77775	77777	77771
3570	1570	03565	54464	03240	46566	77777	02336	77777	10615
3600	1600	77777	02414	00002	57274	77772	46003	77777	03433
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[illegible]	1650	03646	00001	00000	77777	00000	00012	77777	02076
3660	1660	00002	56655	77772	45700	00000	00001	77777	00102
3670	1670	00117	00000	00064	37154	71314	00002	77777	77777
3700	1700	00000	00000	00000	00000	77777	77777	00001	00006
3710	1710	77750	00000	00000	00005	02161	00170	00000	00002
3720	1720	06137	17777	37773	77777	64270	77776	65456	00000
3730	1730	13512	17777	37776	77777	77707	77771	73667	00026
3740	1740	32100	00000	00005	17777	00000	00001	00000	12345
3750	1750	12345	12345	12345	12345	04575	25050	12345	12345
3760	1760	12345	12345	12345	12345	20000	00000	00000	00000
3770	1770	00000	00000	72751	54764	77777	00071	60643	67574

CHANNEL DUMP

CH 3	CH 4	CH 5	CH 6	CH 7
12646	31623	00000	00000	00100

CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17
00000	20142	00041	04100	00040	00034	00000	VACANT

CH 20	CH 21	CH 22	CH 23	CH 24	CH 25	CH 26	CH 27
VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT

CH 30	CH 31	CH 32	CH 33	CH 34	CH 35
36311	77777	77777	77277	00000	77343

MAIN PROG[illegible] ENTERED AT ENTRY [illegible]

UNIT 1. DYNAMIC VEHICLE PERFORMANCE EXTREMES

ENV. TIME	EXTREME VALUE	DATA DESCRIPTION	UNITS
39[illegible]011.2[illegible]	- 1.84	MIDDLE GIMBAL ANGLE MINIMUM	DEGREES
397 [illegible]1.17	2.89	MIDDLE GIMBAL ANGLE MAXIMUM	DEGREES
3 7897.[illegible]	10.75	ANGULAR RATE MAXIMUM	DEGREES/SEC

RCS JET #	TIME ON	# FIRINGS	FUEL USED
1	5.29	40	1.97
2	6.27	70	2.37
3	0.15	6	0.06
4	0.62	3	0.23
	5.64	52	2.12
6	13.45	47	4.94
7	0.12	4	0.05
8	0.64	4	0.23
9	6.26	69	2.37
10	5.65	36	1.95
11	0.15	6	0.06
12	0.62	3	0.23
13	5.42	42	2.03
14	13.65	54	5.02
15	0.12	4	0.05
16	0.64	4	0.23

RCS TANKS : TOTAL PROPELLANT REMAINING = 568.41 LBS ; TOTAL PROPELLANT USED = 23.97 LBS
APS TANKS : TOTAL PROPELLANT REMAINING = 5187.04 LBS ; TOTAL PROPELLANT USED = 0.00 LBS
DPS TANKS : TOTAL PROPELLANT REMAINING = 1448.38 LBS ; TOTAL PROPELLANT USED = 16767.92 LBS

ELIT II. OUT OF TOLERANCE PERFORMANCE, AND IGNORED AGC OUTPUT

ENV. TIME	PAGE #	MESSAGE REPRINT
3971[illegible]3.42	22	RADAR CONFUSED BY ASTRONAUT CALL AT T = . .
3971[illegible]74.95	73	RADAR CONFUSED BY ASTRONAUT CALL AT T = . .

ELIT III. MAJOR ENVIRONMENT DISCONTINUITIES

ENV. TIME	PAGE #	MESSAGE REPRINT
3971[illegible].41	18	IMU COL NOISE SIGMA SET TO . PULSES
3971[illegible].41	18	IMU FAST SWITCH SET TO 1.
3971[illegible]4.44	22	IMU COL ZERO BIT HAS GONE ON.
3971[illegible]4.77	22	IMU COU ZERO BIT HAS GONE OFF.
3971[illegible]8.67	26	LEM: LGC IS NOW IN CONTROL OF SPACECRAFT
3971[illegible]8.[illegible]	26	IMU ERROR COUNTER ENABLE BIT HAS GONE ON.
3974[illegible]9.35	35	LEM: DESCENT ENGINE THRUST HAS BEEN TURNED . (0=OFF,1=ON)
3976[illegible]5.42	96	RANGE DATA GOOD BIT CHANGED TO AT T = .
3976[illegible]7.[illegible]8	97	FOOT OF BEAM CROSSED MAP BOUNDARY- (1=TO MAP, 0= OFF)
3978[illegible]5.42	132	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
3978[illegible]3.61	149	L/R ANTENNA POSITION CHANGE INITIATED AT T = .
3978[illegible]3.61	149	RANGE DATA GOOD BIT CHANGED TO AT T = .
3978[illegible]2.61	149	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
3979[illegible]5.28	151	L/R ANTENNA POSITION CHANGE COMPLETED AT T = .
3979[illegible]1.28	152	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
3979[illegible]1.28	152	RANGE DATA GOOD BIT CHANGED TO AT T = .
3980[illegible]76.23	201	LEM: ENGINE STOP BUTTON HAS BEEN PUSHED
3980[illegible]76.[illegible]	201	LEM: DESCENT ENGINE THRUST HAS BEEN TURNED . (0=OFF,1=ON)
3980[illegible]77.1[illegible]	202	LEM: FINAL CONDITIONS -- PRELUNCH WILL NOW BE IN CONTROL
3980[illegible]77.13	202	ENVCNTRL. DYNAMIC CONFIGURATION CHANGED FROM TO AT T =
3980[illegible]77.26	203	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
3980[illegible]77.2[illegible]	203	RANGE DATA GOOD BIT CHANGED TO AT T = .

RADEFFCY [illegible] NEW REQUEST CENTER FLAG. BRING OUTPUT TO DIGITAL SIMULATION GROUP.

ELIT IV. EVALUATION OF EFFICIENCY OF USE OF IBM 360, THE AGC SIMULATOR, AND THE ENVIRONMENT.

(INTERPRETATION GUIDELINES WILL BE PUBLISHED WHEN THEY BECOME AVAILABLE.)

ACCT/CPUT [illegible].36 ACCT 990 CPUT 2725 AVG DT (0.063 PBLKS/ACCT 38.46 DBLKS/ 2.27 PBNKS/ 22.80

CFDUMP & ENVSUMS 1.461 0.010 FOR EACH UPDATE REASON: FREQUENCY (UPDATES/ACCT), AVG DT (AGC SEC)

READ IMU COUS	10.972	0.070	READ PIPAS	0.787	0.065	READ COUS (S & T)	0.000	0.000
OUTPUT CHANNEL	0.108	0.293	PULSE TRAINS	0.003	0.126	DSKY FLASHING	0.007	0.513
ENV RETURN EDLIST	0.412	0.155	ALL OTHER	2.139	0.041	FORMAT 4		

END OF ENVCNTRL RUN TERMINATION EDITING.

MAC POST MORTEM ANALYSIS

TERMINATION CONDITION: NORMAL

CONTROLLING MAC PROGRAM AT TERMINATION WAS COMMON.ENVCNTRL

BLOCK # 2

BLOCK ADDRESS 132 (HEXADECIMAL) 306 (DECIMAL)

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

EMPTY

CURRENT FILE INDEX SETTINGS:

DATAFILE READ	299756
DATAFILE WRITE	0
CALLFILE READ	0
CALLFILE WRITE	0

RUN TIME WAS [illegible].63 SECONDS. THERE WERE 38189 PBLK LOADS, 2286 DBLK LOADS, 22586 FBANK LOADS

```
*       CHECKPT NEWFLCT

*       USE CHK FILE

*       CH
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.COMMON.NEWPLOT

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	COMMON.NEWPLOT	BEGINPLT LIST LABELS DFOUMP UNITS	02DF38+868	11/13/69	12:33	MCP001
2	COMMON.NARDFLD	1	02F138+020	06/21/67	19:02	MCP001
3	COMMON.PLOTXS2	START	02F160+036	01/22/69	14:45	MCP001
4	COMMON.PLOTHEAD	BXUC ONE1	02F1AC+050	12/10/69	20:17	MCP001
5	COMMON.FILEPLOT	START ENDPLOT	02FD36+358	06/07/68	10:04	MCP001
6	COMMON.CATRPLOT	BEGIN	03059C+220	09/09/68	20:04	MCP002
7	COMMON.LETRPLOT	OLDLETR PLOT LETR LABL	030B48+410	03/19/69	16:19	MCP001

NONMAC PROGRAMS COLLECTED:

#	NAME	SIZE	
1	FOGPLOT	1144	
2	NARMFLDA	2568	RESIDENT
3	FPLLT	11016	RESIDENT

COMMON AREA ALLOCATION:

#	NAME	BASE ADDR
1	COMMPLK	033F3C
2	#TLMPAC	034728
3	CALLFILE	03572E

TOTAL NUMBER OF BLKS COLLECTED: 57

```
DATA FILE ACTIVATED, SIZE IS LARGE
DATA FILE OF PREVIOUS RUN STEP BEING USED

 57 NAC PROGRAM BLOCKS WERE LOADED,

SPACE WAS ALLOCATED FOR  33 DATA BLOCKS.

THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS:  23320  (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   4450.92 SECONDS
```

```
FILE LMP REQUESTED FROM WERE      500  THRU      800

   1          1.10000 [illegible] 04   1.00000000000 03        0.0                0.0                0.0
  15              0.0                     0.0                0.0                0.0                0.0
  21          7.[illegible]00 00   3.97133000000 05   6.00000000000 02   2.00000000000 00        0.0
  15              0.0                     0.0                0.0                0.0                0.0
   2          [illegible] 1   3.97133000000 05   6.00000000000 02   1.00000000000 00        0.0
  [illegible]         0.0                     0.0                0.0                0.0                0.0
ABOVE LINE REPEATED UNTIL
 [illegible]          [illegible] 09   1.02932503890 00   3.01100000000 03   1.35000353233 01   1.00000000000 03

END OF LMP
```

PLOT GENERATED BY NEWPLOT: FORMAT = 13.0, SEGMENT 1

X,Y MIN		X,Y MAX		X,Y INCH		X,Y DT		X,Y LABEL		X,Y LINE	
[illegible]	[illegible]	[illegible]	C5	2.3[illegible]	01	2.0[illegible]	C1	1.0000000000C0	C2	0.0	
[illegible]		2.6[illegible]	C1	6.000[illegible]	[illegible]	2.0000000000C0	00	4.0000000000C0	CC	1.37C0000000C0	02
[illegible]		[illegible]	C1	6.C000000000C0	[illegible]	2.0000000000C0	00	4.0000000000C0	00	1.3700000000C0	02
[illegible]		[illegible]	01	6.00000000000	[illegible]	2.0000000000C0	00	4.0000000000C0	CC	1.37C0000000C0	02
[illegible]		2.6[illegible]	C1	6.C000000000	[illegible]	2.0000000000C0	00	4.0000000000C0	00	1.37C0000000C0	02

FLLTFLAG		TCFFSET		XSCALE		YSCALE			
1.CCCCCC[illegible]	CC 00	1.5[illegible]	C2	6.C000000000	02	0.0	0.0	0.0	
[illegible]		[illegible]		0.0					

PLOT GENERATED BY NEWPLOT: FORMAT = 7.0, SEGMENT 1

X,Y MIN		X,Y MAX		X,Y INCH		X,Y DT		X,Y LABEL		X,Y LINE	
[illegible]	05	3.[illegible]	5	2.300[illegible]	01	2.CCCCCCCCCC00	01	1.00000000000	C2	0.0	
[illegible]		1.3[illegible]	C2	4.5CCCCCCCCC0	00	1.0000000000C0	01	5.00000000000	C1	1.37000000000	02
[illegible]		[illegible]	C2	4.5CCCCCCCCCC	CC	1.0000000000C0	C1	5.00000000000	01	1.37000000000	02
[illegible]		1.1[illegible]	C2	4.50000000000	00	1.0000000000C0	01	5.00000000000	01	1.37000000000	02
[illegible]		1.1[illegible]	C2	4.5CCCCCCCCCC	00	1.0000000000C0	01	5.00000000000	01	1.37000000000	02

FLLTFLAG		TCFFSET		XSCALE		YSCALE			
1.CCCCCC[illegible]	CC	1.5000000[illegible]	C2	6.CCCCCCCCCC0	02	0.0	0.0	0.0	
[illegible]		0.0		0.0					

******* FILEPLOT HAS CREATED DATA SET SYSPLOT.7283.A11317C.0070078.0155130

******* PHYSICAL DATA: FRAMES= [illegible], JOB LENGTH= 69", MAX FRAME= 27", AVG FRAME= 19"

***PLOTTING TERMINATED VIA CALL FILEPLOT(ENDPLOT)

MAC TEST MC TEM ANALYSIS

TERMINATION CONDITION: NORMAL

CONTROLLING MAC PROGRAM AT TERMINATION WAS COMMON.NEWPLOT

BLOCK # 11

BLOCK ADDRESS 884 (HEXADECIMAL) 2948 (DECIMAL)

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

EMPTY

CURRENT FILE INDEX SETTINGS:

DATAFILE READ	510
DATAFILE WRITE	24
CALLFILE READ	0
CALLFILE WRITE	0

RUN TIME WAS 41.4 SECONDS. THERE WERE 0 PBLK LOADS, 136 CBLK LOADS

```
*       COLLECT EDIT.CONTROL
* MSG                   TEDIT   BANDIT
* MSG   ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
*       FOR EDIT1 USE AVGEDIT
*       FOR EDIT2 USE EVEREDIT
*       FOR EDIT4 USE DISPEDIT
*       FOR EDIT5 USE THREDIT
*       FOR EDIT6 USE ATTEDIT
*       FOR EDIT10 USE JUNKEDIT
*       MAXLINES 2000
*       ACCEDIT                 EYLES           LUM 1B LANDING
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.EDIT.CONTROL

MAC PROGRAM ALIASES IN EFFECT:

FOR	USED
COMMON.EDIT2	COMMON.AVGEDIT2
COMMON.EDIT3	COMMON.EVEREDIT
COMMON.EDIT4	COMMON.DISPEDIT
COMMON.EDIT5	COMMON.THREDIT
COMMON.EDIT6	COMMON.ATTEDIT
COMMON.EDIT7	COMMON.JUNKEDIT

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	EDIT.CONTROL	START EXYT ABORT	02DF38+008	09/16/68	13:24	MCP004
2	COMMON.FILEPLOT	START ENDPLOT	02E038+098	06/07/68	10:04	MCP001
3	COMMON.EDIT1		**UNRESOLVED**			
4	COMMON.AVGEDIT2	BEGIN	02E890+ 48	11/18/69	1:58	MCP002
5	COMMON.EVEREDIT	BEGIN	02EA6C+0A8	07/09/69	15:27	MCP006
6	COMMON.DISPEDIT	BEGIN	02EEE8+028	11/07/69	20:22	MCP001
7	COMMON.THREDIT	BEGIN	02EFC0+028	06/18/68	13:59	MCP005
8	COMMON.ATTEDIT	BEGIN	02F060+030	10/07/69	0:21	MCP001
9	COMMON.EDIT7		**UNRESOLVED**			
10	COMMON.EDIT8		**UNRESOLVED**			
11	COMMON.EDIT9		**UNRESOLVED**			
12	COMMON.JUNKEDIT	BEGIN	02F11F+060	11/18/69	1:59	MCP001

NONMAC PROGRAMS COLLECTED:

#	NAME	SIZE

```
  1     MA[illegible]UX     1[illegible]24[illegible]  RESIDENT
  2     AGCE[illegible]ITR  123192  RESIDENT
  3     FPLLT       11[illegible]16  RESIDENT

COMMON AREA ALLOCATION:

  #    NAME      BASE ALLOC

  1  COMMBLK      C2F358
  2  ATEMPAC      [illegible]2F850
  3  CALLFILE     D30850

 TOTAL NUMBER OF BLKS COLLECTED:   17

DATA FILE ACTIVATED, SIZE IS LARGE
NO FILES PRELOADED

 17 MAC PROGRAM BLOCKS WERE LOADED.

 SPACE WAS ALLOCATED FOR  44 DATA BLOCKS.

 THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS: 158640  (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   4393.85 SECONDS
```

* E	ACCESSIT CREATED MAC	INPUT FORM	BYTES	LOW IR LANDING		
	PRE-FAD	CFCOMP		2.1		
	FLACAICS	CFCOMP		2.1	NON-UNIQUE CARD SPECIFICATION	
	SERVCLT	DUMP A	E7,1777	2.2		
	FIPTIME	DPFILE				
	RN	DPFILE VN +5				
	HCALC	DPFILE				
	MASS	DPFILE				
	/LANE/	DPFILE				
	IGNITION	CFCOMP		2.3		
	IGNITION +1	DUMP REFSMMAT	REFSMMAT +170	2.4		
	REFSMMAT	DPFILE REFSMMAT +21				
	EXCSLB	DUMP A	E7,1777	3.1		
	FIPTIME	DPFILE				
	TFIP	DPFILE				
	F	DPFILE V +5				
	RCU	DPFILE RCU +5				
	VGU	DPFILE VGU +5				
	LAND	DPFILE LAND +5				
	TTF/8	DPFILE				
	/AFC/	DPFILE				
	UNFC/	DPFILE UNFC/2 +5				
	UNWC/2	DPFILE UNWC/2 +5				
	CG	DPFILE CG +21				
	[illegible]P1	DUMP A	E7,1777	3.1		
	FIPTIME	DPFILE				
	TFIP	DPFILE				
	F	DPFILE V +5				
	RCU	DPFILE RCU +5				
	VGU	DPFILE VGU +5				
	LAND	DPFILE LAND +5				
	TTF/8	DPFILE				
	/AFC/	DPFILE				
	UNFC/	DPFILE UNFC/2 +5				
	UNWC/2	DPFILE UNWC/2 +5				
	CG	DPFILE CG +21				
	WEATEXIT -1	DUMP MCDREC		3.2		
	MCDREG	SPFILE				
	WEATEXIT	DUMP MCDREG		3.3		
	MCDREG	SPFILE				
	WEATEXIT +1	DUMP MCDREG		3.6		
	MCDREC	SPFILE				
	AFTERLIC +2	DUMP MCDREG		3.5		
	MCDREC	SPFILE				
	FALLEJOB	DUMP A	E7,1777	4.1	NON-UNIQUE CARD SPECIFICATION	
	MCDREG	SPFILE				
	EVAPOL +2	SPFILE				
	HCALC	DPFILE				
	FORMISP	DPFILE				
	TIFCISP	DPFILE				
	ANGLESP	DPFILE				
	TLEVEL	DPFILE				
	FORMYDSP	SPFILE FORMYDSP +1				
	FLEVEL	SPFILE				
	DELTAH	SPFILE				
	TFRCISP	SPFILE			UNABLE TO DEFINE ADDRESS TFRCISP	CARD IGNORED

```
        [illegible]UMP      DUMP    A               E[illegible],1777       5.1
        [illegible]S        DPFILE
        FREIGHT             SPFILE
        FCCID               SPFILE
        /AFC/               DPFILE
        FP                  SPFILE
        FC                  SPFILE
        [illegible]IF       SPFILE
        FIFPSET             SPFILE
        PSEL[illegible]     SPFILE
        A[illegible]UMP     DUMP    A               L                       5.2
        [illegible]         DPFILE
        [illegible]S        CREUMP                                          6.1          NON-UNIQUE CARD SPECIFICATION
        [illegible]ABACCS +1 DUMP   L6,14CC         E[illegible],1777       6.2
        CCCXD               PSCFILE CCUZC
        CMEGAPD             SPFILE  CMEGARD
        FIP SP              DUMP                                            10.1
        4CC                 DUMP                                            10.2
        TTFI[illegible]CP   DUMP    DLAND           DLAND  +5               10.5
        DLAND               DPFILE  DLAND +5
        -AZ                 DUMP                                            10.6
        +AZ                 DUMP                                            10.7
        -EL                 DUMP                                            10.8
        +EL                 DUMP                                            10.9
R       END                 CANCIT
R       ++++++
```

****

PIPTIME: 3.971[illegible]34200 05 P63: IGNALG TPIP: 3.97493750000 05

	R AND RG						V AND VG				
[illegible]	6	-4.67312[illegible]	02	-3.31410749999	05	3.23489552087	02	-1.52587890625	-02	1.66454005241	03
-1.[illegible]	4	3.[illegible]	02	-3.34374124999	05	3.24340438842	02	-1.15547180175	00	1.66895370483	03
	LAND					TTF		CG		AFC	
[illegible]	06	-7.91[illegible]	02	2.96337499999	03	-4.71395053710	02	1.00 0.00 0.00		6.30505267636	00
								0.00 1.00 0.00			
	TRANSIENT 3.099							0.00 0.00 1.00			
	UNFC							UNWC			
-[illegible]	-01	-1.09547[illegible]5156	-03	-9.28437310048	-01	5.77350269189	-01	5.77350269189	-01	5.77350269189	-01

****

PIPTIME: 3.971[illegible]34200 05 P63: IGNALG TPIP: 3.97493750000 05

	R AND RG						V AND VG				
1.71[illegible]	06	-4.67312[illegible]9999	02	-3.31410749999	05	3.20108079910	02	-2.51293182373	-02	1.65608752304	03
-1.66[illegible]	04	3.244[illegible]	02	-3.34374124999	05	3.20958328247	02	-1.16535001464	00	1.66050148010	03
	LAND					TTF		CG		AFC	
1.735[illegible]74[illegible]	06	-7.91[illegible]74999999	02	2.96337499999	03	-4.72437675781	02	1.00 0.00 0.00		6.30956841632	00
								0.00 1.00 0.00			
	TRANSIENT 3.0985							0.00 0.00 1.00			
	UNFC							UNWC			
-3.[illegible]	-01	-1.02[illegible]	-01	-9.34712581758	-01	5.77350269189	-01	5.77350269189	-01	5.77350269189	-01

****

PIPTIME: 3.713342[illegible]00 05 P63: IGNALG TPIP: 3.97493750000 05

	R AND RG						V AND VG				
1.715[illegible]	06	-4.67312[illegible]9999	02	-3.31410749999	05	3.20254516601	02	-2.46047973632	-02	1.65603079795	03
-1.66[illegible]	04	3.244[illegible]	02	-3.34374124999	05	3.21104812622	02	-1.16500854492	00	1.66044425964	03
	LAND					TTF		CG		AFC	
1.735[illegible]74[illegible]	06	-7.91[illegible]74999999	02	2.96337499999	03	-4.72444296874	02	1.00 0.00 0.00		6.30524711003	00
								0.00 1.00 0.00			
	TRANSIENT 3.037							0.00 0.00 1.00			
	UNFC							UNWC			
-3.56[illegible]	-1	-1.3117[illegible]	-03	-9.34410[illegible]9455	-01	5.77350269189	-01	5.77350269189	-01	5.77350269189	-01

****

```
      PIPTIME:        3.971[illegible]000  05                P63:   IGNALG                                    TPIP:        3.97432210000  05
                                                              |||||||||||||

                    R AND RG                                                                    V AND VG
 1.65642[illegible]  04  -4.7[illegible]9999  02  -4.33321[illegible]7499  05   4.16281938552  02  -5.19275665283 -02   1.63454174995  03
-3.646524[illegible]  04   3.[illegible]9999  02  -4.36449874999  05   4.17393875122  02  -1.16271972656  00   1.63889656066  03

                    LAND                                                        TTF                 CG                          AFC
 1.735E9187499  06  -3.654999999999  02   3.23749999999  03  -5.77427646484  02   1.00  0.00  0.00   4.61112788248  00
                                                                                     0.00  1.00  0.00
                    TRANSIENT  2.582                                                  0.00  0.00  1.00

                    UNFC                                                                        UNWC
-3.12546[illegible]785 -01  -3.0474724[illegible]95 -04  -9.49572539720 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01
*****************************************************************************************************************************

                                                              |||||||||||||||
      PIPTIME:        3.971334[illegible]00  05                P63:   IGNALG                                    TPIP:        3.97432210000  05
                                                              |||||||||||||||

                    R AND RG                                                                    V AND VG
 1.19142[illegible]6249  06  -4.753124[illegible]9999  02  -4.33212437499  05   4.16668558120  02  -4.98771667480 -02   1.63440437316  03
-3.646524[illegible]  04   3.[illegible]9999  02  -4.36449874999  05   4.17780303555  02  -1.16043[illegible]  00   1.63875923156  03

                    LAND                                                        TTF                 CG                          AFC
 1.735E9187499  06  -3.654999[illegible]999  02   3.23749999999  03  -5.77441230468  02   1.00  0.00  0.00   4.61079878732  00
                                                                                     0.00  1.00  0.00
                    TRANSIENT  [illegible]0.001                                       0.00  0.00  1.00

                    UNFC                                                                        UNWC
-3.149[illegible]1577 -01  -8.128737[illegible] -04  -9.49123381446 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01
*****************************************************************************************************************************

                                                              |||||||||||||||
      PIPTIME:        3.971[illegible]420000  05                P63:   IGNALG                                    TPIP:        3.97432210000  05
                                                              |||||||||||||||

                    R AND RG                                                                    V AND VG
 1.65642[illegible]6249  06  -4.753124[illegible]9999  02  -4.33212437499  05   4.16656208038  02  -4.99248[illegible]4638 -02   1.63440842628  03
-3.646524[illegible]  04   3.[illegible]9999  02  -4.36449874999  05   4.17768[illegible]6923  02  -1.16081237792  00   1.63876342773  03

                    LAND                                                        TTF                 CG                          AFC
 1.735E9187499  06  -3.654999999999  02   3.23749999999  03  -5.77440913085  02   1.00  0.00  0.00   4.61090810055  00
                                                                                     0.00  1.00  0.00
                    TRANSIENT  0.002                                                  0.00  0.00  1.00

                    UNFC                                                                        UNWC
-[illegible] -01  -[illegible] -04  -9.49136960247 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01
*****************************************************************************************************************************

                                                              |||||||||||||||
      PIPTIME:        3.-71334[illegible]00  05                P63:   IGNALG                                    TPIP:        3.97433170000  05
                                                              |||||||||||||||
```

```
                    R AND                                                                    V AND VG
1.6986246249 C6  -4.7768749999 C2  -4.31642437499 C5   4.15169286727 02  -4.81605525785 -02   1.63478541374 03
-3.9967429999 04  3.6624999999 02  -4.34875749999 C5   4.16273931762 02  -1.15928649902 00   1.63914146423 03

                    LAND                                                TTF                  CG                   AFC
1.7358910 7499 C6  -8.6437499999 C2   3.23324999999 03  -5.75874423828 02   1.00  0.00  0.00   4.63162316009 00
                                                                             0.00  1.00  0.00
                    TRANSIENT  0.0024                                        0.00  0.00  1.00

                    UNFC                                                                     UNWC
-3.1527110 1768 -  -7.8810121 -65 -04  -9.4900 1093363 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01

**********************************************************************************************************************

      PIPTIME:      3.9713 4200 05                  ||||||||||||||
                                                    PEG:  IGNALG
                                                    ||||||||||||||                       TPIP:        3.97433170000 05

                    V AND C                                                                  V AND VG
1.6986246249 C6  -4.7768749999 02  -4.31642437499 C5   4.15165567398 02  -4.79698181152 -02   1.63478665351 03
-3.9967429999 04  3.6624999999 02  -4.34875749999 C5   4.16273117065 02  -1.15890502929 00   1.63914260864 03

                    LAND                                                TTF                  CG                   AFC
1.7358918 7499 C6  -8.6437499999 C2   3.23324999999 03  -5.75874106445 02   1.00  0.00  0.00   4.63162316009 00
                                                                             0.00  1.00  0.00
                    TRANSIENT  0.0000                                        0.00  0.00  1.00

                    UNFC                                                                     UNWC
-3.1527 1 9385 -01  -7.8851613 9539 -04  -9.4900 5944545 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01

**********************************************************************************************************************

      PIPTIME:      3.9713 4200000 C5               ||||||||||||||
                                                    PEG:  IGNALG
                                                    ||||||||||||||                       TPIP:        3.97433170000 05

                    R AND RS                                                                 V AND VG
1.6986246249 C6  -4.7768749999 02  -4.31642437499 05   4.15165710449 02  -4.79698181152 -02   1.63478660583 03
-3.9967429999 04  3.6624999999 02  -4.34875749999 C5   4.16273498535 02  -1.15890502929 00   1.63914260864 03

                    LAND                                                TTF                  CG                   AFC
1.7358918 7499 C6  -8.6437499999 C2   3.23324999999 03  -5.75873950195 02   1.00  0.00  0.00   4.63162548840 00
                                                                             0.00  1.00  0.00
                    TRANSIENT  0.0000                                        0.00  0.00  1.00

                    UNFC                                                                     UNWC
-3.1526 1 1 1 0 -01  -7.8851332 6 -04  -9.4900497 3723 -01   5.77350269189 -01   5.77350269189 -01   5.77350269189 -01

**********************************************************************************************************************

ATTITUDE:   CDUTIME        CDUX          CDUY          CDUZ          OMEGAX        OMEGAY        OMEGAZ        ACTUAL
            3.9737942  -  0.0114    10 7.1496  -  0.0549  -  0.0162    0.0100  -  0.0055    ACTUAL
            3.7337 068     0.14      108.3691  -  0.0549    0.0000    0.0000    0.0000    DESIRED

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	TIME	MASS		VN				VA				ALTITUDE
AGC	39737[illegible].27[illegible]	+15140.00	- 1703595.5	+ 1[illegible]8911.9	-	65885.9	+ 283.24	+1360.56	+ 971.58	+	15021.56
ENV	39737[illegible].27[illegible]	+15422.23	- 1703595.5	+ 398920.7	-	65882.8	+ 283.33	+1360.56	+ 971.58	+	15027.43
ERR	.00[illegible]	2[illegible]2.2[illegible]	3.5	8.7		3.1	0.01	0.00	0.00		5.87
AGC	IN POUNDS	+33377.64	- 5585225.7	+ 1308766.4	-	216161.4	+ 929.61	+4463.80	+3187.62	+	49283.34
ENV	AND FEETS	+[illegible]	- 5539237.2	+ 1309795.2	-	216151.1	+ 929.56	+4463.80	+3187.61	+	49302.61

	LOUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39738[illegible].28	- 0.1647	107.1716	- 0.0659	- 0.0162	0.0100	- 0.0055	ACTUAL
	39738[illegible].28	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

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	TIME	MASS	KN			VN			ALTITUDE
AGC	3573[illegible]1.279	+15140.[illegible]	- 1703025.9	+ 401631.9	- 63941.9	+ 286.45	+1359.83	+ 971.71	+ 15017.06
ENV	[illegible]973[illegible]1.279	+15492.2	- 1703029.7	+ 401641.1	- 63939.6	+ 286.44	+1359.83	+ 971.70	+ 15023.02
ERR	[illegible]	24.29	.7	9.1	2.3	0.00	0.00	0.00	5.96
AGC	IN FEETS	+23377.64	- 5587255.6	+ 1317655.2	- 209783.4	+ 939.80	+4461.41	+3188.02	+ 49268.57
ENV	AND FEETS	+23499.79	- 5587367.8	+ 1317720.2	- 209775.6	+ 939.78	+4461.40	+3188.00	+ 49288.14

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397283.28	- 0.1977	107.1936	- 0.0769	- 0.0162	0.0100	- 0.0055	ACTUAL
	397283.23	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397383.279	+15140.20	- 1702449.9	+ 404349.9	- 61997.9	+ 289.56	+1359.10	+ 971.81	+ 15012.81
ENV	397383.279	+15422.20	- 1702453.7	+ 404360.0	- 61996.0	+ 289.55	+1359.10	+ 971.81	+ 15018.78
ERR	0.00	282.2	3.7	10.0	1.9	0.01	0.00	0.00	5.97
AGC	TK POUNDS	+33377.64	- 5585465.8	+ 1326607.6	- 203405.5	+ 950.02	+4459.00	+3188.38	+ 49254.63
ENV	AND FOOTS	+3359.79	- 5585478.1	+ 1326640.6	- 203399.2	+ 949.98	+4458.99	+3188.37	+ 49274.22

	CULTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397385.28	- 0.2307	107.2155	- 0.0878	- 0.0162	0.0100	- 0.0055	ACTUAL
	397385.28	0.4064	108.3651	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+15140.[illegible]	- 1701867.5	+ 407977.5	- 60053.9	+ 292.67	+1358.36	+ 971.93	+ 15008.74
ENV	[illegible]	+15422.2[illegible]	- 1701871.5	+ 407977.5	- 60052.3	+ 292.66	+1358.35	+ 971.92	+ 15014.71
ERR	[illegible]	282.2	3.5	9.5	1.6	0.00	0.00	0.00	5.96
ACC	IN POUNDS	+33377.64	- 5583556.4	+ 1335524.9	- 197027.5	+ 960.20	+4456.57	+3188.76	+ 49241.30
ENV	ONE POUNDS	+33599.79	- 5583567.9	+ 1335556.1	- 197022.1	+ 960.19	+4456.55	+3188.74	+ 49260.86

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397387.23	- 0.2636	107.2375	- 0.0588	- 0.0162	0.0100	- 0.0055	ACTUAL
	397387.23	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	RNDX	RN			VN			ALTITUDE
AGC	397397.79	+15140.00	- 1701279.9	+ 409783.9	- 581009.9	+ 295.78	+1357.61	+ 972.04	+ 15004.81
ENV	397387.279	+15422.20	- 1701283.0	+ 409793.5	- 581008.3	+ 295.77	+1357.61	+ 972.03	+ 15010.81
ERR	[illegible]	282.20	3.0	9.5	1.6	0.00	0.00	0.00	5.99
AGC	IN PCUNDS	+33377.64	- 5581627.2	+ 1344435.6	- 190629.6	+ 970.41	+4454.11	+3189.12	+ 49228.38
ENV	AND FOOTS	+33399.7	- 5581637.3	+ 1344466.9	- 190644.2	+ 970.39	+4454.10	+3189.09	+ 49248.06

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397389.28	- 0.2966	107.2595	- 0.1098	- 0.0162	0.0100	- 0.0055	ACTUAL
	397389.28	[illegible]	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN				VN			ALTITUDE
AGC	297389.279	+15143.00	- 1700683.9	+ 612497.9	-	56165.9	+ 298.89	+1356.86	+ 972.14	+ 15001.06
ENV	297389.279	+15427.20	- 1700683.4	+ 612507.9	-	56164.1	+ 298.88	+1356.86	+ 972.14	+ 15007.08
ERR	0.0	2[illegible].2	4.4	9.9		1.8	0.01	0.00	0.00	6.01
AGC	IN POUNDS	+33377.64	- 5574671.9	+ 1353339.8	-	184271.6	+ 980.62	+4451.65	+3189.45	+ 49216.08
ENV	AND FOOTS	+33984.79	- 5575686.2	+ 1353372.6	-	184265.7	+ 980.58	+4451.64	+3189.44	+ 49235.82

	COLTIME	CLLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97391.28	- 0.248	107.2705	- 0.1208	- 0.0162	0.0190	- 0.0055	ACTUAL
	97391.28	0.464	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
ACC	397591.75	+15140.[illegible]	- 1700083.9	+ 415211.9	- 54221.9	+ 301.99	+1356.10	+ 972.24	+ 14997.49
ENV	397591.27	+15422.20	- 1700087.5	+ 415221.0	- 54219.7	+ 301.99	+1356.10	+ 972.24	+ 15003.52
ERR	0.0	282.20	2.5		9.0	2.2	0.00	0.00	6.02
ACC	IN POUNDS	+33277.64	- 5577703.4	+ 1362244.0	- 177893.7	+ 990.79	+4449.17	+3189.79	+ 49204.39
ENV	AND FEETS	+33999.79	- 5577714.9	+ 1362273.6	- 177886.3	+ 990.78	+4449.16	+3189.77	+ 49224.14

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397393.28	- 0.3625	107.2524	- 0.1318	- 0.0162	0.0100	- 0.0055	ACTUAL
	397393.28	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

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	TIME	MASS	EN			VN			ALTITUDE
AGC	2[illegible]7363.[illegible]79	+15140.0[illegible]	- 1659475.9	+ 417923.9	- 52277.9	+ 305.10	+1355.34	+ 872.34	+ 14994.06
ENV	3[illegible]739.[illegible]79	+15422.2	- 1659430.4	+ 417932.4	- 52275.2	+ 305.09	+1355.34	+ 872.33	+ 15000.13
ERR	.000	282.2	4.4	8.4	2.7	0.00	0.00	0.00	6.06
AGC	IN POUNDS	+33377.24	- 5575708.6	+ 1371141.7	- 171515.7	+1000.99	+4446.68	+3190.09	+ 49193.11
ENV	ON FEETS	+3394.[illegible]78	- 5575723.2	+ 1371169.3	- 171506.6	+1000.97	+4446.66	+3190.09	+ 49213.02

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	CLUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	307395.28	- 0.3955	107.3144	- 0.1428	- 0.0162	0.0100	- 0.0055	ACTUAL
	307395.28	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	3973[illegible].79	+15140.[illegible]	- 1658[illegible]3.9	+ 420633.9	- 50331.9	+ 308.20	+1354.58	+ 972.43	+ 14990.81
ENV	3973[illegible].79	+154[illegible]2.20	- 1658867.1	+ 420642.3	- 50330.4	+ 308.20	+1354.57	+ 972.43	+ 14996.91
ERR	[illegible].00	28[illegible].20	3.1	8.3	1.5	0.00	0.00	0.00	6.09
AGC	IN METRES	+13277.64	- 5572[illegible]7	+ 1380032.8	- 165131.2	+1011.16	+4444.16	+3190.41	+ 49182.45
ENV	AND FEETS	+13999.79	- 5573711.1	+ 1380060.0	- 165126.1	+1011.16	+4444.15	+3190.39	+ 49202.46

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3973[illegible].68	- 0.4284	107.3364	- 0.1538	- 0.0162	0.0100	- 0.0055	ACTUAL
	3973[illegible].68	0.4004	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RH			VN			ALTITUDE
ACC	[illegible]	+15140.00	- 1698243.9	+ 423341.9	- 48387.9	+ 311.30	+1353.80	+ 972.52	+ 14987.81
ENV	397[illegible]7.279	+1542[illegible].20	- 1698247.6	+ 423350.6	- 48385.4	+ 311.30	+1353.80	+ 972.52	+ 14993.86
ERR	[illegible]	28[illegible]	3.6	9.6	2.5	0.00	0.00	0.00	6.04
ACC	IN POUNDS	+33377.64	- 5571666.6	+ 1398917.9	- 158753.2	+1021.35	+4441.62	+3190.72	+ 49172.61
ENV	AND FEETS	+33990.79	- 5571678.6	+ 1398945.8	- 158745.0	+1021.34	+4441.62	+3190.69	+ 49192.45

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397395.28	- 0.4614	107.3583	- 0.1647	- 0.0162	0.0100	- 0.0055	ACTUAL
	397[illegible]9.28	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397396.279	+15143.00	- 1697617.9	+ 426047.9	- 46441.9	+ 314.41	+1353.03	+ 972.61	+ 14984.87
ENV	397396.279	+15427.02	- 1697621.8	+ 426057.6	- 46440.7	+ 314.40	+1353.03	+ 972.61	+ 14990.98
ERR	0.00	2 0.20	3.8	9.6	1.7	0.00	0.00	0.00	6.10
AGC	IN POUNDS	+33377.64	- 5569612.8	+ 1397795.2	- 152368.7	+1031.54	+4439.08	+3190.98	+ 49162.97
ENV	AND FEETS	+33996.79	- 5569625.6	+ 1397827.0	- 152363.0	+1031.52	+4439.07	+3190.97	+ 49183.01

	CLOTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397401.29	- 0.4343	107.3693	- 0.1867	- 0.0163	- 0.0049	- 0.0086	ACTUAL
	397401.2	0.4114	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39740[illegible].279	+15140.00	- 1696585.9	+ 428753.9	- 44497.9	+ 317.49	+1352.19	+ 972.65	+ 14982.18
ENV	39740[illegible].279	+15421.71	- 1696590.0	+ 428762.7	- 44495.1	+ 317.49	+1352.18	+ 972.64	+ 14988.27
ER	[illegible]	281.71	4.0	8.7	2.8	0.00	0.00	0.01	6.08
AGC	IN POUNDS	+[illegible]377.64	- 5567539.3	+ 1406673.2	- 145990.8	+1041.65	+4436.33	+3151.13	+ 49154.15
ENV	ARE FOOTS	+55[illegible].71	- 5567552.5	+ 1406701.9	- 145981.3	+1041.65	+4436.31	+3151.10	+ 49174.12

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39740[illegible].23	- 0.9973	107.3364	- 0.2087	- 0.0166	- 0.0250	- 0.0127	ACTUAL
	39743.23	[illegible].4064	108.3651	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN				VN			ALTITUDE
AGC	397403.279	+1514[illegible].00	- 1696347.9	+ 431457.9	- 42551.9	+ 320.58	+1351.32	+ 972.67	+	14979.62
ENV	397403.279	+154[illegible].15	- 1696351.9	+ 431466.2	- 42549.7	+ 320.57	+1351.31	+ 972.66	+	14985.73
ERR	0.000	[illegible]	3.9	9.2	2.2	0.00	0.00	0.00		6.10
AGC	IN FEETS	+33377.64	- 5565446.1	+ 1415544.6	- 139806.2	+1051.77	+4433.48	+3191.18	+	49145.75
ENV	AND FEETS	+339[illegible]7.26	- 5565459.1	+ 1415571.7	- 139598.9	+1051.76	+4433.46	+3191.17	+	49165.78

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397405.28	- 0.5672	107.2595	- 0.2307	- 0.0168	- 0.0450	- 0.0168	ACTUAL
	397405.28	0.4364	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397405.79	+15140.00	- 1695703.9	+ 434159.9	- 40605.9	+ 323.65	+1350.45	+ 972.69	+ 14977.18
ENV	397405.279	+15420.3[illegible]	- 1695707.7	+ 434168.0	- 40604.4	+ 323.65	+1350.44	+ 972.68	+ 14983.35
ERR	0.00[illegible]	280.3[illegible]	3.7	8.0	1.5	0.00	0.01	0.00	6.16
AGC	IN PELNDS	+ 3377.64	- 5563333.3	+ 1424409.4	- 132221.7	+1061.86	+4430.62	+3191.25	+ 49137.75
ENV	ALL FLUTS	+13995.81	- 5563345.5	+ 1424435.8	- 132216.6	+1061.87	+4430.59	+3191.22	+ 49157.99

AGC AND ENVIRONMENT REPSMATS AT IGNITION, TIME = 397407.18

-0.799 71[illegible] -01	4.55616541206 -01	1.34298528681 -01	-8.79970960473 -01	4.55645682904 -01	1.34206069761 -01
-1.6[illegible]12[illegible] -01	-5.51269[illegible]4279 -01	8.18733923137 -01	-1.60435063119 -01	-5.51193726719 -01	8.18807710116 -01
4.470 [illegible]771 -01	6.98922820389 -01	5.58245971798 -01	4.47114861356 -01	6.98979604334 -01	5.58136017005 -01

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]97407.28	- [illegible]5822	107.1496	- 0.2746	0.0128	- 0.0649	- 0.0200	ACTUAL
	[illegible]7407.2[illegible]	[illegible]4.64	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MUNE	RN	VN	ALTITUDE
AGC	397407.79	+1514[illegible]	- 1695053.9 + 436857.9 - 38661.9	+ 326.73 +1349.57 + 972.70	+ 14974.99
ENV	397407.79	+15419.72	- 1695057.3 + 436868.0 - 38659.0	+ 326.73 +1349.56 + 972.69	+ 14981.14
ERR	[illegible]	279.73	3.3 10.0 2.9	0.00 0.00 0.00	6.14
AGC	IN POUNDS	+[illegible]77.64	- 5561200.7 + 1433261.1 - 126843.8	+1071.97 +4427.74 +3191.27	+ 49130.57
ENV	AND FEETS	+33994.35	- 5561211.6 + 1433294.1 - 126834.1	+1071.98 +4427.71 +3191.26	+ 49150.73

	TIME	MUNE	VMUBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397407.79	[illegible]	[illegible] 62	49131	- 34	- 9.35	- 1	55622	99 $$	5573	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397409.28	- 0.5663	107.1826	- 0.1428	0.0174	0.0573	0.1065	ACTUAL
	397409.28	[illegible].4764	108.2691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN				VN				ALTITUDE
AGC	39740[illegible]9.279	+15140.[illegible]	- 1694395.9	+	439557.9	-	36715.9	+ 329.83	+1348.74	+ 972.76	+ 14972.93
ENV	39740[illegible].27[illegible]	+1541[illegible].35	- 1694400.7	+	439566.3	-	36713.6	+ 329.83	+1348.74	+ 972.75	+ 14979.09
ERR	[illegible]	27[illegible].35	4.7		8.3		2.3	0.00	0.00	0.01	6.15
AGC	IN FEUNDS	+33377.64	- 5559141.9	+	1442119.4	-	120459.3	+1082.13	+4425.02	+3191.49	+ 49123.81
ENV	IN FEUDTS	+33995.96	- 5559057.5	+	1442146.7	-	120451.4	+1082.14	+4425.00	+3191.45	+ 49143.99

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]74[illegible].70	63	[illegible] 63	49124	- 32	- 9.35	- 1	55621	99 $$	5573	99999	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	74[illegible]1.2	- 0.5273	107.1716	0.2459	0.0158	- 0.0769	0.0791	ACTUAL
	34711.28	.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	397411.79	+15147.22	- 1693733.9	+ 442253.9	- 34769.9	+ 332.80	+1347.39	+ 972.43	+ 14970.99
ENV	397411.279	+15415.76	- 1693738.0	+ 442262.4	- 34768.3	+ 332.81	+1347.38	+ 972.42	+ 14977.18
ERR	.100	27.52	4.0	9.4	1.6	0.00	0.00	0.00	6.18
ACC	IN POUNDS	+33371.53	- 5556870.0	+ 1450364.5	- 114074.8	+1091.88	+4420.58	+3190.39	+ 49117.45
ENV	AND FEETS	+33945.59	- 5556883.4	+ 1450992.4	- 114069.5	+1091.90	+4420.55	+3190.37	+ 49137.74

	TIME	NCLC	VERHACLA	H	HCCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	397411.78	63	6.63	49117	- 29	- 9.35	- 1	55598	99.81	5570	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397413.28	- 1.6242	1062.9728	0.0769	0.0113	- 0.0936	- 0.0745	ACTUAL
	397413.28	0.6064	1080.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397413.79	+15132.53	- 1653063.9	+ 4449455.9	- 328225.9	+ 335.77	+1345.99	+ 572.06	+ 14969.18
ENV	397413.279	+15411.72	- 1653069.4	+ 4449455.8	- 328223.9	+ 335.78	+1345.99	+ 572.06	+ 14975.40
ERR	[illegible]	27[illegible].19	3.4	5.8	2.0	0.00	0.00	0.00	6.22
AGC	IN POUNDS	+3336.3[illegible]	- 5554678.4	+ 14597965	- 1076958.8	+1101.62	+4416.00	+3189.20	+ 49111.50
ENV	ONE FOOTS	+3376.4[illegible]	- 5554689.9	+ 14598289	- 1076859.9	+1101.64	+4415.97	+3189.18	+ 49131.91

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	APVEL	TTF LPD	PORVEL	DELTAH	THRCMD
DISPLAYS:	397413.78	63	0 63	49112	- 27	- 9.35	- 1	55574	99.$$	5568	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397415.28	- 0.4724	106.8530	- 0.1208	0.0116	- 0.0067	- 0.1039	ACTUAL
	397415.24	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397415.79	+15125.85	- 1692391.0	+ 447537.9	- 30881.9	+ 338.74	+1344.59	+ 571.71	+ 14967.56
ENV	397415.279	+15417.68	- 1692394.9	+ 447546.4	- 30880.1	+ 338.74	+1344.58	+ 571.69	+ 14973.75
ERR	.010	277.84	2.9	9.4	1.8	0.00	0.00	0.01	6.18
AGC	IN POUNDS	+33255.23	- 5552467.1	+ 1468628.6	- 101318.8	+1111.36	+4411.39	+3188.02	+ 49106.17
ENV	AND FEETS	+33967.77	- 5552476.8	+ 1468656.3	- 101312.8	+1111.37	+4411.37	+3187.99	+ 49126.48

	TIME	MODE	V KBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397415.71	61	6 63	49106	- 25	- 9.35	- 1	55550	99 $$	5567	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397417.28	- 0.4504	106.8659	- 0.2906	0.0131	0.0425	- 0.0585	ACTUAL
	397417.29	0.4064	108.3651	- 0.0546	0.0000	0.0000	0.0000	DESIRED

	TIME	MODE	PN			VN			ALTITUDE
AGC	397417.[illegible]	+1512[illegible]	- 16917C9.9	+ 450325.9	- 28[illegible].9	+ 341.71	+1343.18	+ 971.33	+ 14965.99
ENV	397417.79	+1540.[illegible]	- 16917[illegible]4	+ 450334.2	- 28937.1	+ 341.70	+1343.17	+ 971.33	+ 14972.20
ERR	[illegible]	277.9[illegible]	4.4	8.2	2.8	0.00	0.01	0.00	6.20
AGC	IN POUNDS	+33347.79	- 5550229.6	+ 1477447.5	- 94947.5	+1121.09	+4406.79	+3186.81	+ 49101.04
ENV	AND FEETS	+33952.89	- 5550244.4	+ 1477474.4	- 94938.0	+1121.08	+4406.75	+3186.78	+ 49121.42

	TIME	MODE	VERBNOUN	F	FDCT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397417.79	53	6 63	49101	- 24	- 9 35	- 1	55526	99 $$	5563	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397419.28	- 0.4174	106.9958	- 0.3625	0.0142	0.0595	- 0.0076	ACTUAL
	397419.23	0.4064	108.3691	- 0.3549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	357419.279	+15122.44	- 1691022.9	+ 453306.9	- 26997.9	+ 344.66	+1341.77	+ 970.96	+ 14964.56
ENV	357419.279	+15399.62	- 1691028.1	+ 453319.1	- 26994.8	+ 344.66	+1341.76	+ 970.95	+ 14970.77
ERR	0.000	277.18	4.1	9.1	3.1	0.00	0.00	0.00	6.21
AGC	IN POUNDS	+33338.94	- 3547979.0	+ 1486353.2	- 88576.1	+1130.78	+4402.15	+3185.56	+ 49096.33
ENV	AND FEETS	+33950.02	- 3547992.5	+ 1486283.3	- 88565.7	+1130.79	+4402.13	+3185.55	+ 49116.73

	TIME	MODE	VERBNOUN	F	FDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	357419.79	63	6 63	49056	- 22	- 9.35	- 1	55502	00 $$	5560	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	357421.28	- .3545	107.1166	- 0.3405	0.0150	0.0065	0.0280	ACTUAL
	357421.28	0.4164	108.3651	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	397421.73	+1511.75	- 1690331.9 + 455631.9 - 25055.9	+ 347.61 +1340.36 + 970.58	+ 14963.24
ENV	397421.73	+1511.66	- 1690335.8 + 455701.2 - 25053.2	+ 347.62 +1340.35 + 970.57	+ 14969.45
ERR	0.00	276.84	3.8 5.2 2.7	0.00 0.01 0.00	6.20
AGC	IN PLUNES	+3195.67	- 554578.6 + 1495052.4 - 82204.7	+1140.47 +4397.53 +3184.33	+ 49092.02
ENV	AND EFFECTS	+3941.15	- 545721.2 + 1495882.9 - 82195.8	+1140.50 +4397.49 +3184.31	+ 49112.37

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397421.71	63	6 63	49092	- 23	- 0.35	- 1	55478	99.99	5560	99999	9999

	CRUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397423.25	- 0.3625	107.2595	- 0.2636	0.0154	0.0779	0.0434	ACTUAL
	397423.28	2.4064	108.3691	- 0.0545	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	39723.279	+15115.[illegible]	- 1649633.9 + 458371.9 - 23113.9	+ 350.58 +1338.94 + 970.20	+ 14961.99
ENV	3974 3.279	+153 1.5[illegible]	- 1685637.6 + 458380.5 - 23112.5	+ 350.58 +1338.93 + 970.19	+ 14968.21
ERR	[illegible]	27[illegible].51	3.6 9.5 1.4	0.00 0.01 0.00	6.21
AGC	IN PCUNDS	+33[illegible].67	- 5543418.6 + 1503845.1 - 75833.3	+1150.20 +4392.87 +3183.08	+ 49087.92
ENV	AND FEETS	+3293.27	- 5543439.5 + 1503873.3 - 75828.4	+1150.21 +4392.83 +3183.06	+ 49108.32

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39723.79	63	[illegible] 63	49088	- 10	- 9.35	- 1	55454	99 $$	5557	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39725.28	- 0.3295	107.4243	- 0.1647	0.0156	0.0833	0.0521	ACTUAL
	39725.28	0.4064	108.3651	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN				VN			ALTITUDE
AGC	397425.279	+15111.37	- 168895.09	+ 461047.9	-	21173.9	+ 353.54	+1337.52	+ 965.81	+ 14960.87
ENV	397425.279	+15387.5	- 168893.4	+ 461057.0	-	21172.5	+ 353.54	+1337.50	+ 965.81	+ 14967.06
ERR	0.000	276.1-	3.4	9.0		1.4	0.00	0.01	0.00	6.18
AGC	IN FRONTS	+[illegible]14.53	- 554110.9	+ 1512624.6	-	69468.5	+1159.92	+4388.20	+3181.82	+ 49084.23
ENV	AND TO TS	+[illegible]92.40	- 554112.3	+ 1512554.2	-	69463.6	+1159.92	+4388.18	+3181.80	+ 49104.53

	TIME	MODE	VERBNOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397435.79	63	6 63	49084	- 17	- 9.35	- 1	55430	99 ss	5553	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397427.28	- 0.2966	107.6000	- 0.0549	0.0156	0.0864	0.0513	ACTUAL
	397427.28	0.4364	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MODE	RN			VM			ALTITUDE
AGC	397427.27+	+15107.66	- 1688215.9	+ 463721.9	- 14235.9	+ 356.49	+1336.08	+ 969.42	+ 14959.81
ENV	397427.279	+15383.53	- 1688223.4	+ 463730.0	- 10233.2	+ 356.50	+1336.07	+ 969.42	+ 14965.97
ERR	0.0[illegible]	275.84	3.4	8.6	2.7	0.00	0.00	0.00	6.15
AGC	IN POUNDS	+33300.40	- 5538779.5	+ 1521397.6	- 63110.2	+1169.61	+4383.47	+3180.55	+ 49080.74
ENV	AND FEETS	+33914.53	- 5538790.7	+ 1521425.9	- 63101.2	+1169.64	+4383.45	+3180.53	+ 49100.95

	TIME	MODE	VERBNOUN	F	FDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397427.71	63	6 62	49081	- 16	- 9.35	- 1	55406	99.34	5553	99999	9999

	COUTIME	CIUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITULE:	397429.2+	- 0.2636	107.7648	- 0.0105	0.0143	0.0782	- 0.0127	ACTUAL
	397429.28	0.4064	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39742.279	+15103.9	- 1687503.5	+ 466391.9	- 17295.9	+ 359.45	+1334.64	+ 965.04	+ 14958.74
ENV	39742.279	+1537.5	- 1687507.4	+ 466401.3	- 17294.7	+ 359.46	+1334.63	+ 965.03	+ 14964.93
ER	0.000	275.50	3.4	9.3	1.2	0.01	0.01	0.00	6.18
AGC	[illegible] POUNDS	+[illegible]	- 5536430.4	+ 1531157.4	- 56745.4	+1179.32	+4376.76	+3179.27	+ 49077.26
ENV	[illegible] POUNDS	+[illegible]	- 5536441.7	+ 1530188.0	- 56741.4	+1179.35	+4378.73	+3179.25	+ 49097.55

	TIME	MODE	V RBACKN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39742.79	63	6 63	49077	- 15	- 9.35	- 1	55382	99.99	5549	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39743.28	- 0.02416	107.8967	- 0.1058	0.0128	0.0610	- 0.0794	ACTUAL
	39743.28	0.2364	108.3691	0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39743[illegible].79	+151[illegible].3	- 1686781.9	+ 469059.9	- 15359.0	+ 362.42	+1333.19	+ 968.65	+ 14957.74
ENV	39743[illegible].70	+1527[illegible].48	- 1686785.5	+ 469049.1	- 15357.1	+ 362.43	+1333.19	+ 968.64	+ 14963.93
ERR	0.[illegible]	27[illegible].17	3.5	9.1	2.8	0.00	0.00	0.00	6.18
AGC	IN POUNDS	+33290.14	- 5534061.6	+ 1538910.7	- 50383.7	+1189.05	+4374.01	+3177.99	+ 49073.98
ENV	AND FEETS	+33[illegible]96.7[illegible]	- 5534073.3	+ 1538940.8	- 50384.2	+1189.07	+4373.99	+3177.97	+ 49094.28

	TIME	MODE	V	RBN	UN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THPCMD
DISPLAYS:	39743.74	63	6	63		49074	- 19	- 5 35	- 1	55358	99 $$	5548	99999	9999

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39743.18	151[illegible]	0	0	0.0000	4.6316	5349	5349	0	4096	4096

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39743.28	- .2187	108.0065	- 0.3186	0.0121	0.[illegible]395	- 0.1105	ACTUAL
	39743.2[illegible]	.4364	108.3691	- 0.0549	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+15095.62	- 1686053.9	+ 471725.9	- 13421.9	+ 365.37	+1331.75	+ 968.25	+ 14956.81
ENV	397435.279	+15[illegible]71.4[illegible]	- 1686057.7	+ 471734.1	- 13420.1	+ 365.39	+1331.74	+ 968.24	+ 14962.97
ERR	0.00	274.91	[illegible].7	8.1	1.8	0.01	0.00	0.00	6.16
AGC	IN POUNDS	+[illegible]	- 5531673.2	+ 1547657.4	- 44035.4	+1198.75	+4369.27	+3176.68	+ 49070.90
ENV	ARE METERS	+[illegible]86	- 5531685.4	+ 1547684.2	- 44020.4	+1198.79	+4369.24	+3176.66	+ 49091.11

PIPTIME: 3.97433280000 05 P63: ERASCUAL TPIP: 3.97433280000 05

R AND RC					V AND VG			
1.65682983745 06	-4.66062499999 02	-4.31571187499 05	4.15275955200 02	-7.71522521972 -02	1.63466763496 03			
-3.90[illegible] 06	3.98124[illegible] 02	-4.34804124999 05	4.16383361816 02	-1.18827819824 00	1.63800259008 03			

LAND			TTF		CG			AFC	
1.7[illegible]7459 06	-9.64249[illegible]999 02	3.23287499999 03	-5.75821860351 02	1.00	0.00	0.00	4.63145743154	00
				0.00	1.00	0.00		
TRANSIENT 0.027				0.00	0.00	1.00		

UNFC				UNWC			
-[illegible].14[illegible]1414 -01	-[illegible].34[illegible]047223 -04	-9.49156269552 -01	9.69144757498 -01	-2.66186893916 -04	-2.46492125955 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397434.17	15056.[illegible]	2366	3467	0.3649	4.6314	439	5575	3728	4096	7124

	TIME	MLIE	VERBANUA	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMO
DISPLAYS:	397434.42	63	6 63	49071	- 14	- 9 35	2357	55334	99 76	5540	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397435.28	- 0.1867	108.0285	- 0.2087	0.0226	0.0329	0.4114	ACTUAL
	397435.28	0.4 64	108.3691	- 0.0549	0.0000	0.0988	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]74[illegible]6.773	+15076.3[illegible]	- 1685319.9	+ 474383.9	- 11487.9	+ 367.81	+1327.65	+ 965.93	+ 14955.68
ENV	397435.279	+15250.11	- 1695524.3	+ 474394.2	- 11465.4	+ 367.82	+1327.64	+ 965.92	+ 14961.88
ERR	0.00	275.76	4.3	10.2	2.5	0.00	0.00	0.00	6.19
AGC	IN POUNDS	+33237.21	- 5529265.0	+ 1556377.8	- 37690.2	+1206.74	+4355.81	+3169.08	+ 49067.21
ENV	AND FCCTS	+33841.85	- 5529279.3	+ 1556411.6	- 37682.0	+1206.77	+4355.79	+3169.06	+ 49087.54

PIPTIME: 0.97435280000 C5 P63: BRAKQUAD TPIP: 0.97435280000 05

	R AND RG				V AND VG		
	1.6976[illegible]18745 C6	-4.[illegible]6 45 99999 02	-4.28304537499 05	4.10950613021 02	-1.02233886718 -01	1.63159565925 03	
	-1.8216[illegible]74[illegible]99 04	3.[illegible]56149[illegible]999 02	-4.31528999999 05	4.12049885722 02	-1.21421813964 00	1.63595352172 03	

	LAND			TTF	CG			AFC	
	[illegible]7[illegible]8749[illegible]	-[illegible]61 74999999 02	3.22299999999 03	-5.73090512695 02	1.00	0.00	0.00	4.64470358565	00
					0.00	1.00	0.00		
					0.00	0.00	1.00		
	TRANSIENT	0.267							

	UNFC				UNWC			
	-[illegible]10366[illegible]51 -01	-7.25401[illegible]18703 -04	-9.50616617653 -01	9.69617285676 -01	-2.66298651926 -04	-2.44626753244 -01		

	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3974[illegible]6.21	15276.34	0	4795	2.0195	4.6447	4795	5587	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]74[illegible]6.49	6[illegible]	6 63	49067	- 21	- 5.33	2339	55201	99.76	5522	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3974[illegible]7.2[illegible]	-[illegible].12 8	108.5668	1.3842	0.0388	0.5437	1.0401	ACTUAL
	397437.2[illegible]	[illegible].4[illegible]64	108.3691	- 0.0549	0.0000	0.0109	0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39747.279	+15047.81	- 1684581.9	+ 477023.9	- 9559.9	+ 369.98	+1322.17	+ 962.72	+ 14953.99
ENV	39747.279	+1532[illegible]	- 1684566.5	+ 477044.1	- 9556.8	+ 369.99	+1322.15	+ 962.71	+ 14960.22
ERR	0.00	270.02	4.5	10.1	3.1	0.01	0.01	0.01	6.22
AGC	IN POUNDS	+33174.41	- 3526843.2	+ 1565072.1	- 31364.8	+1213.86	+4337.83	+3158.55	+ 49061.67
ENV	ALL FORTS	+33776.32	- 3526859.7	+ 1565105.3	- 31354.4	+1213.89	+4337.78	+3158.51	+ 49082.09

PIPTIME: 3.97437280000 05 P63: BRAKQUAL TPIP: 3.97437280000 05

R AND RC			V AND VG		
1.65947[illegible]4959 06	-4.66432[illegible]999 02	-4.25046374399 05	4.06113576889 02	-5.74111938476 -02	1.62694463729 03
-1.741[illegible]959 04	3.92399[illegible]959 02	-4.28261499999 05	4.07204437255 02	-1.17073059082 00	1.63130493164 03

LAND		TTF	CG			AFC
1.73515[illegible]7459 01	-8.59[illegible]959 02	3.21512499999 03	-5.70574057617 02	1.00 0.00 0.00		4.64691062015 00
				0.00 1.00 0.00		
TRANSIENT	0.381			0.00 0.00 1.00		

	UNF			UNWC		
-2.03[illegible]394 -01	-3.707[illegible]8419 -04	-9.52712529854 -01	9.70084876280 -01	-2.66402958452 -04	-2.42765850069 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRUTTLE:	39743.020	15047.81	0	3421	2.8493	4.6485	3421	5575	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCPVEL	DELTAF	THRCMD
DISPLAYS:	39743.44	64	6 63	49062	- 32	- 9 30	2321	55015	99 76	5501	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39743.28	- 0.1058	108.7570	1.7028	0.0034	0.0942	- 0.0444	ACTUAL
	39743.28	0.4164	108.2702	- 0.0549	0.0000	- 0.1208	0.0000	DESIRED

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          TIME    |   MASS    |                  RN                    |                  VN                    |   ALTITUDE
AGC   397435.279  | +15015.34 | - 1683[illegible]8.9  + 479573.9  -  7637.0  | + 372.15  +1316.64  + 959.54  | + 14951.68
ENV   [illegible]  | +15291.35 | - 1683284.3  + 479682.9  -  7634.6  | + 372.16  +1316.63  + 959.54  | + 14957.92
ERR   [illegible]  |  27.05    |     4.3      3.9          3.3    |   0.01     0.01     0.00    |     6.23

AGC   IN POUNDS   +23111.63  | - 5524409.4  + 1573732.5  - 25059.0  | +1220.97  +4319.71  +3148.12  | + 49054.09
ENV   AND FEETS   +23711.41  | - 5524423.8  + 1573762.9  - 25[illegible]47.9  | +1221.02  +4319.67  +3148.10  | + 49074.55

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PIPTIME:        3.97439280000  05         P63:  ERASQUAD                          TPIP:        3.97439280000  05
                                          ||||||||||||||

                    R AND PG                                                                V AND VG
 1.69927562499  06  -4.06437459999  02  -4.21757124999  05   4.01265001296  02   3.73840332031 -02   1.62227764129  03
-3.66122[illegible]  99  04   3.[illegible]624[illegible]999  02  -4.25[illegible]3374999  05   4.[illegible]23475664697  02  -1.07688903808  00   1.62663993835  03

                    LAND                                      TTF                       CG                        AFC
 1.72585[illegible]87400  06  -3.57124999999  02   3.20624999999  03  -5.68058759765  02   1.00  0.00  0.00   4.64809359982  00
                                                                                            0.00  1.00  0.00
                 TRANSIENT  0.4C2                                                           0.00  0.00  1.00

                    UNFC                                                                    UNWC
-2.[illegible]71[illegible] -01  -1.20[illegible]87[illegible]2 -03  -9.54823497085 -01   9.70547330745 -01  -2.66410409686 -04  -2.40910372979 -01

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          TIME      MASS     FWEIGHT   FCCLC     AF       AFC       FP       FC       PIF    PIFPSET   REG55
THROTTLE: 397440.19  15015.34    0      3420    2.8543   4.6480    3420     5570      0      4096      4096

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          TIME      MODE  VERBNOUN    H      HDOT     TTF     RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS: 397440.43  63     6  62   49654  -   44  -  9.28    2303    54828    99.75    5484    99999    9999

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          CDLTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE: 397441.02  -  0.1[illegible]8   108.8635    1.5270  -  0.0005  -  0.0487  -  0.1516      ACTUAL
          397441.28     0.4064   108.0505  -  0.0549    0.0000  -  0.2087  -  0.0878      DESIRED

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	TIME	MASS		FN			VN			ALTITUDE
ACC	397441.27[illegible]	+1499.92	- 1683099.9	+ 482299.9	-	5719.9	+ 374.36	+1311.06	+ 956.41	+ 14948.49
ENV	397441.279	+1526.[illegible]	- 1683[illegible]97.8	+ 482310.6	-	5718.6	+ 374.37	+1311.05	+ 956.40	+ 14954.68
ERR	[illegible]	271.16	[illegible]	10.6		1.3	0.01	0.01	0.00	6.18
AGC	IN FEETS	+[illegible]045.99	- 5521961.9	+ 1582349.0	-	18766.4	+1228.22	+4301.40	+3137.84	+ 49043.63
ENV	AND FOOTS	+[illegible]3646.90	- 5521974.5	+ 1582383.9	-	18762.0	+1228.27	+4301.36	+3137.81	+ 49063.93

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PIPTIME: 3.97441[illegible]00 05 PEG: BRAKQUAD TPIP: 3.9744128DD00 05

	R AND R		V AND VG	
1.70[illegible] 06	-4.66[illegible] 02	-4.18557249999 05	3.96354961395 02	1.92165374755 -01	1.61761474609 03
-3.5[illegible] 05	3.88[illegible] 02	-4.21754624999 05	3.97428894042 02	-9.23156738281 -01	1.62197914123 03

	LAND		TTF		CG		AFC
1.7[illegible] 06	-8.5474[illegible] 02	3.19737499999 03	-5.65541538085 02	1.00 0.00 0.00	4.65046381577 00
				0.00 1.00 0.00	
	TRANSIENT 0.415			0.00 0.00 1.00	

	LNFC			UNWC		
-[illegible] -01	-1.75895[illegible] -03	-9.56945328214 -01	9.71004676712 -01	-2.66268848526 -04	-2.39060341551 -01

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	TIME	MASS	FWLIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397442.15	14[illegible]	0	3420	2.8599	4.6504	3420	5562	0	4096	4096

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	TIME	MODE	VERBNOUN	R	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAF	THRCMD
DISPLAYS:	397442.44	53	[illegible] 63	49044	- 60	- 9.25	2285	54641	99.75	5467	99999	9999

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	FOOTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397443.28	- 0.1058	108.6108	1.1096	- 0.0044	- 0.2286	- 0.2938	ACTUAL
	397443.28	[illegible]	1.76330	- 0.2526	0.0000	- 0.3955	- 0.2416	DESIRED

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          TIME   |   MASS    |          PN                          |          VN                          |   ALTITUDE
AGC   [illegible] | +14956.56 | - 1682343.9  +  484917.9  -   3811.9 | + 376.56  +1305.49  + 953.24 | +  14944.31
ENV   [illegible] | +15236.73 | - 1682346.8  +  484927.1  -   3809.0 | + 376.58  +1305.47  + 953.23 | +  14950.48
ERR   [illegible] |   27.22   |          2.8          9.1        2.9 |   0.01     0.01     0.00    |      6.17

AGC   IN POUNDS   +32936.44 | - 5519501.3  + 1590938.3  -  12506.5 | +1235.44  +4283.12  +3127.44 | +  49029.89
ENV   AND FEETS   +[illegible] | - 5519510.7  + 1590968.4  -  12496.7 | +1235.49  +4283.06  +3127.41 | +  49050.15

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      PIPTIME:        [illegible]  C5             P63:  BRAKQUAD                          TPIP:        [illegible]  05
                                                  ||||||||||||||

                    R AND VG                                                          V AND VG
  [illegible]  C5  -4.6568749[illegible]  C2  -4.153266[illegible]459  05   3.91453456878  02   3.17001342773 -01   1.6129352[illegible]453  03
 -[illegible]  04  [illegible]6249[illegible]  C2  -4.18515249999  C5   3.92519378662  02  -7.99179077148 -01   1.61730232238  03

                    LAND                                                  TTF                      CG                          AFC
  [illegible]  06  -[illegible]  C2   3.18849999999  03  -5.63024487304  02   1.00  0.00  0.00   4.65144170448  00
                                                                                0.00  1.00  0.00
                  TRANSIENT  C[illegible]7                                      0.00  0.00  1.00

                    UNFC                                                                UNWC
 -2.83126274 25 -01  -[illegible]  -03  -9.59079217137 -01   9.71456954022 -01  -2.65985727756 -04  -2.37215757767 -01

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          TIME        MASS      FWEIGHT   FCCLE      AF        AFC       FP        FC       PIF     PIFPSET   REG55
THROTTLE:  [illegible]  [illegible]                 3419     2.8643    4.6514    3419      5553      0       4096      4096

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          TIME      MODE   VELBACUM      F       HDOT      TTF      RANGE    ABVEL    TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:  [illegible]  6   [illegible]  49930   -  76   - 9.23     2268     54454     99.75     5447    99999    5999

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          CDUTIME      CDUX        CDUY        CDUZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE:  [illegible]  -  [illegible]   107.9626   0.4064   - 0.0078  - 0.4047  - 0.3634     ACTUAL
           [illegible]   0.4[illegible]   10[illegible].9738  - 0.5932   0.0000  - 0.3845  - 0.1538     DESIRED

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	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]	+14936.24	- 1681587.9 + 4875923.9 - 1907.9	+ 378.73 +1299.94 + 950.01	+ 14939.18
ENV	397445.279	+1529.47	- 1681591.5 + 4875932.5 - 1905.7	+ 378.74 +1299.92 + 950.00	+ 14945.31
ERR	[illegible]	269.22	3.5 8.5 2.2	0.01 0.01 0.00	6.12
AGC	IN POUNDS	[illegible]	- 3517029.9 + 1594488.1 - 6259.8	+1242.56 +4264.90 +3116.84	+ 49013.08
ENV	AND FEETS	+33517.7	- 3517032.6 + 1595516.3 - 6252.4	+1242.60 +4264.85 +3116.82	+ 49033.17

PITIME: 3.97445280000 05 P63: BRAKQUAL TPIP: 3.97445280000 05

	R AND RG			V AND VG		
[illegible]	-4.64959999 02	-4.12105499999 05	3.86580419540 02	3.81851196289 -01	1.60822119712 03	
-3.46487[illegible] 04	3.84959999 02	-4.15285124999 05	3.87628092041 02	-7.35092163085 -01	1.61258964538 03	

	LAND		TTF	CG	AFC
[illegible]	-8.49999999999 02	3.17962499999 03	-5.60511035156 02	1.00 0.00 0.00	6.65384684503 00
				0.00 1.00 0.00	
	TRANSIENT [illegible].415			0.00 0.00 1.00	

	UNFC			UNWC	
-3.76186[illegible] -01	-2.44076776199 -03	-9.61106059269 -01	9.71904192197 -01	-2.65590847577 -04	-2.35376656976 -01

THROTTLE:	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
	[illegible]	14934.24	0	3419	2.8693	4.6538	3419	5545	0	4096	4096

DISPLAYS:	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
	397446.44	63	6 63	49013	- 91	- 6.20	2250	54266	99.76	5428	99999	9999

ATTITUDE:	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
	397447.28	- 0.1918	167.0397	- 0.2746	- 0.0067	- 0.4891	- 0.3071	ACTUAL
	397447.28	0.4464	106.2146	- 0.8129	0.0000	- 0.3845	- 0.1098	DESIRED

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              TIME      |    MASS      |                RN                |                VN                |    ALTITUDE
AGC   397447.279        | +14906.58    | - 1680827.9  + 490117.9  -   11.9 | + 380.82  +1294.43  + 946.70 | + 14933.18
ENV   397447.279        | +15174.15    | - 1680831.9  + 490126.9  -    9.0 | + 380.83  +1294.41  + 946.70 | + 14939.27
ERR       0.00          |   26.17      |      3.9         3.9         2.9 |   0.01     0.01     0.00     |     6.09

AGC   IN FEETS          | +32861.72    | - 5514527.5  + 1607998.6 -   39.3 | +1249.42  +4246.83  +3105.99 | + 48993.39
ENV   AND FEETS         | +33452.94    | - 5514540.5  + 1608027.9 -   29.6 | +1249.47  +4246.77  +3105.99 | + 49013.37

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      PIPTIME:      3.974472P0000  C5             P63:  PRAKQUAD                          TPIP:      3.97447280000  05
                                                  ||||||||||||||

                    R AND RG                                                                V AND VG
  1.7024114999 06  -4.6424999999 02  -4.0889381249 05   3.8178860333 02                3.7670135498C -01  1.6034604549 03
 -3.3248374999 04   1.3374999999 02  -4.1206464999 05   3.8282538183 02               -7.4119567871C -01  1.6078308105 03

                    LAND                                  TTF                            CG                      AFC
  1.7356501874 06  -4.4762499999 02   3.1707499999 03  -5.5800201178 02   1.00  0.00  0.00   4.0656128585 00
                                                                            0.00  1.00  0.00
                                                                            0.00  0.00  1.00
                    TRANSIENT  6.400

                    UNFC                                                                    UNWC
 -2.8549515 75 -01  -2.4311175968 -03  -9.6301088420 -01   9.7234641867 -01  -2.6516616373 -04  -2.3354308332 -01

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THROTTLE:      TIME      MASS     FWEIGHT   FCCLC     AF       AFC       FP       FC       PIF    PIFPSET   REG55
               397445.19 14905.6     0       3424    2.8793    4.6561    3424     5538       0      4096      4096

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DISPLAYS:      TIME      MODE   VERBNOUN    H      HDOT     TTF     RANGE    ABVEL    TTF LPO   FDRVEL   DELTAH   THRCMD
               397445.44  63      6 61     48993  - 106   - 9.18    2232     54077    99.77     5409     99999    9999

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ATTITUDE :     CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
               397449.2   - 0.1428   106.0728   - 0.7250   - 0.0031   - 0.4484   - 0.1375      ACTUAL
               397449.2     0.2764   105.6555   - 0.9338     0.0000   - 0.3295     0.0000      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39744[illegible].279	+14877.77	- 1688[illegible]3.9	+ 4926599.9	+ 1877.9	+ 382.82	+1288.96	+ 943.34	+ 14926.37
ENV	39744[illegible].279	+15144.[illegible]	- 16[illegible]0.2	+ 4927[illegible].2	+ 1881.0	+ 382.84	+1288.94	+ 943.34	+ 14932.37
ERR	[illegible].000	267.06	4.2	[illegible].2	3.0	0.02	0.01	0.00	6.00
AGC	IN POUNDS	+32779.54	- 5512020.9	+ 1616469.8	6161.4	+1255.99	+4228.87	+3094.96	+ 48971.04
ENV	AND POUNDS	+3324[illegible].31	- 5512034.9	+ 1616503.4	6171.3	+1256.06	+4228.82	+3094.96	+ 48990.73

PIPTIME: 3.[illegible]74492[illegible]000 D5 PB3: BRAKQUAD TPIP: 3.97449280000 D5

R AND RC				V AND VC			
1.70[illegible]3749[illegible] D4	-4.63[illegible]24[illegible]94 D2	-4.05691687499 D5	3.77008C29747C C2	3.21578979492 -C1	1.59865379333 D3		
-3.27[illegible]145[illegible] D4	3.[illegible]1[illegible]4[illegible]9 D2	-4.08853624999 D5	3.78121566772 D2	-7.97271728515 -C1	1.60302581787 D3		

LAND			TTF		CG			AFC
1.7[illegible] D6	-8.45[illegible] D2	3.16187499999 D3	-5.55498266601 D2	1.00	0.00	0.00		4.65692952275 DD
				0.00	1.00	0.00		
TRANSIENT 0.398				0.00	0.00	1.00		

LNFC				UNWC			
-[illegible].6274[illegible] -D1	-2.23[illegible]74117[illegible] -D3	-9.64862256740 -C1	9.72783664366 -D1	-2.64771281186 -C4	-2.31715066919 -D1		

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39745[illegible].19	14877.7	0	3424	2.8843	4.6569	3424	5528	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39745[illegible].44	63	6 63	48971	- 118	- 9.15	2215	53888	99.77	5361	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39745[illegible].2[illegible]	- 0.1[illegible]38	10[illegible].281[illegible]	- 0.7680	0.0034	- 0.3214	0.1146	ACTUAL
	39745[illegible].2[illegible]	0.4064	1[illegible]5.0952	- 0.9[illegible]38	0.0000	- 0.2197	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	357451.279	+14848.71	- 1679297.9	+ 495273.9	+ 3761.9	+ 384.75	+1283.51	+ 939.95	+ 14918.81
ENV	357451.27[illegible]	+15115.51	- 1679200.6	+ 495282.7	+ 3764.3	+ 384.76	+1283.49	+ 939.94	+ 14924.78
ERR	[illegible]	266.[illegible]	2.6	8.7	2.3	0.01	0.01	0.00	5.97
AGC	IN POUNDS	+32735.47	- 5509500.8	+ 1624914.6	+ 12342.5	+1262.32	+4210.99	+3083.82	+ 48946.23
ENV	AND FEETS	+33325.67	- 5509516.4	+ 1624943.2	+ 12350.1	+1262.36	+4210.93	+3083.82	+ 48965.84

PIPTIME: 3.97451280000 05 PGS: ERRQUAD TPIP: 3.97451280000 05

	R AND RG			V AND VG	
	1.76[illegible]1587499 06	-4.62999[illegible]9999 02	-4.02499249999 05	3.72443103790 02	2.36511230468 -01	1.59381127357 03
	-2.1571.[illegible] 04	3.79874[illegible]99 02	-4.05652243999 05	3.72476028442 02	-8.83483886718 -01	1.59018534851 03

	LAND		TTF	CG		AFC
	1.7[illegible]91.7499 06	-[illegible].42874999999 02	3.15299999999 03	-5.52997348632 02	1.00 0.00 0.00	4.65916469693 00
					0.00 1.00 0.00	
	TRANSIENT 0.376				0.00 0.00 1.00	
	UNFC			UNWC		
	-2.5[illegible]45197 -01	-1.9215[illegible]7 -02	-9.66565155672 -01	9.73215952717 -01	-2.64450905737 -04	-2.29892669395 -01

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	357452.19	14848.71	0	3423	2.8895	4.6591	3423	5520	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97452.43	63	6 63	44546	- 128	- 5.13	2197	53699	99.78	5371	99999	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7453.29	- 0.1578	104.8315	- 0.5383	0.0026	- 0.1720	0.0878	ACTUAL
	[illegible]97453.2[illegible]	0.6[illegible]4	104.7546	- 0.8349	0.0000	- 0.1867	0.1098	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	397453.270	+14813.70	- 1678525.9	+ 497835.9	+ 5637.9	+ 386.60	+1278.06	+ 936.55	+ 14910.68
ENV	397453.275	+1508.01	- 1678529.2	+ 497344.2	+ 5640.8	+ 386.62	+1278.03	+ 936.55	+ 14916.67
ERR	.00	266.48	3.2	8.2	2.8	0.01	0.02	0.00	5.98
AGC	IN POUNDS	+32671.51	- 5506975.0	+ 1633320.2	18467.3	+1268.39	+4193.11	+3072.67	+ 48919.57
ENV	IN POUNDS	+33259.32	- 5506985.6	+ 1633347.2	18506.6	+1268.44	+4193.03	+3072.67	+ 48939.20

TIPTIME: 3.97453280000 05 PES: BRAKQUAL TPIP: 3.97453280000 05

	R AND RC			V AND VG	
1.7[illegible]	-4.62[illegible] 02	-3.09316499999 05	3.67874526977 02	1.61457061767 -01	1.58893289566 03
-3.12317[illegible] 04	3.77874[illegible] 2	-4.02410624999 05	3.68899154463 02	-9.59396362304 -01	1.59330902099 03

	LAND		TTF	CG			AFC
1.7[illegible] 02	-3.40485.9 [illegible] 02	3.14412499999 02	-5.50500590820 02	1.00	0.00	0.00	4.66137658804 00
				0.00	1.00	0.00	
	TRANSIENT 0.365			0.00	0.00	1.00	

	LNFC				UNWC		
-.50[illegible]7555 -01	-1.0[illegible]244 -03	-9.681[illegible]635830 -01	9.73643328842 -01	-2.64234839817 -04	-2.28075861022 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397454.19	14819.7	0	3422	2.8943	4.6613	3422	5512	0	4096	4096

	TIME	MODE	VERBNOUN	R	FOOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397454.43	03	6 63	48920	- 137	- 5.10	2180	53509	95.78	5354	55995	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397455.28	- .153[illegible]	104.5678	- 0.3405	0.0046	- 0.0938	0.0734	ACTUAL
	397455.28	0.4[illegible]4	104.5345	- 0.7141	0.0000	- 0.2087	0.0659	DESIRED

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          TIME        |     MASS     |          RN                |          VN                |      ALTITUDE
AGC   357455.279      | +14700.75    | - 1677749.9  +  500385.9  +   7507.9  | + 388.41  +1272.59  + 933.16  | +  14901.93
ENV   357455.279      | +15057.36    | - 1677754.1  +  500394.8  +   7510.5  | + 388.43  +1272.56  + 933.16  | +  14907.92
ERR   [illegible]     | 26.10        |          4.1          8.8          2.5  |     0.01      0.02      0.00  |        5.98

AGC   IN POUNDS       +32607.71      | - 5504425.1  + 1641686.3  +  24632.5  | +1274.33  +4175.16  +3061.57  | +  48890.87
ENV   AND FEETS       +33194.35      | - 5504442.7  + 1641715.3  +  24640.8  | +1274.39  +4175.08  +3061.55  | +  48910.51

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      PIPTIME:        3.974552 00000  05          P63:  BRAKQUAD          TPIP:        3.974552800000  05
                                                  |||||||||||||

                R AND RC                                                          V AND VG
 1.705351 7459  6  -4.62 749 5999  02  -3.96143562499  05  3.63334608078  02  1.16348266601 -01  1.58402867317  03
-3.15 [illegible] 4  3.75749 [illegible]9999  02  -3.99527987 4999  05  3.64351272583  02  -1.00555415921  00  1.58840637207  03

                LAND                                  TTF                          CG                          AFC
 1.735851 7459  [illegible]  -[illegible]2812495 9999  02  3.13524999999  03  -5.48005658242  02  1.00  0.00  0.00  4.66356519609  00
                                                                                                 0.00  1.00  0.00
                                                                                                 0.00  0.00  1.00
                TRANSIENT  0.363

                UNFC                                                              UNWC
-2.441072 [illegible] -01  -1.4709313 [illegible] -01  -03  -9.69747129606 -01  9.74065811644 -01  -2.64093280164 -04  -2.26264722924 -01

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          TIME        MASS      FWEIGHT   FCCLC     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE: 357456.19   14700.75  0         3421      2.8993    4.6635    3421      5504      0         4096      4096

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          TIME        MODE  VERBNOUN   F        HDCT     TTF      RANGE    ABVEL    TTF LPD   FOPVEL   DELTAH   THRCMD
DISPLAYS: 97456.43    6     6  6       48891  -  147  -  9  8   2162     53319    99 78     5335     99999    9999

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          COUTIME     COUX        COUY        COUZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE: 357457.28   -  0.1428   104.2822  -  0.2416    0.0023   -  0.1655    0.0388      ACTUAL
          357457.28   0.4164      104.2162  -  0.7141    0.0000   -  0.2307    0.0888      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39745[illegible]	+14761.86	- 1676571.5	+ 502825.9	+ 9371.5	+ 390.19	+1267.10	+ 929.78	+ 14892.68
ENV	39745[illegible]	+15027.53	- 1676975.5	+ 502934.4	+ 9373.4	+ 390.21	+1267.08	+ 929.77	+ 14898.60
ERR	0	2[illegible]5.66	3.5	9.4	1.4	0.02	0.02	0.00	5.92
AGC	IN POUNDS	+32546.01	- 5501876.6	+ 1650019.6	+ 30748.0	+1280.17	+4157.16	+3050.45	+ 48860.52
ENV	AND FOOTS	+33129.69	- 5501886.1	+ 1650047.5	+ 30752.8	+1280.24	+4157.09	+3050.44	+ 48879.94

PIPTIME: 3.97457280000 05 P63: BRAKQUAD TPIF: 3.97457280000 05

	P AND PC			V AND VG		
1.70611[illegible] 05	-1.62197[illegible] 02	-3.92980437499 05	3.58813333511 02	8.12530517578 -02	1.57909855842 03	
-2.9778[illegible] 04	3.7[illegible] 02	-3.96106874999 05	3.59821701049 02	-1.04141235351 00	1.58347816467 03	

	LANC		TTF	CG			AFC
1.73589[illegible]7499 06	-3.57499[illegible]999 02	3.12637499999 03	-5.45512675781 02	1.00	0.00	0.00	4.66432888060 00
				0.00	1.00	0.00	
	TRANSIENT 1.374			0.00	0.00	1.00	

	UNFC			UNWC		
-2.[illegible] -11	-1.33356[illegible]368 -01	-9.71319898060 -01	9.74483444721 -01	-2.63981520976 -04	-2.24459230769 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	9745[illegible].19	14761.[illegible]	1	3427	2.9093	4.6643	3427	5454	0	4096	4096

	TIME	MODE	V PBNCUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAF	THRCMD
DISPLAYS:	39745[illegible].43	3	6 63	48861	- 156	- 9 5	2145	53128	99 78	5314	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39745[illegible]	0.1429	103.8647	- 0.1538	0.0030	- 0.2020	0.0298	ACTUAL
	39745[illegible]	0.064	103.8757	- 0.6152	0.0000	- 0.1647	0.1098	DESIRED

	TI	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+147[illegible]	- 1676195.9	+ 515453.9	+ 11227.9	+ 391.94	+1261.61	+ 926.38	+ 14882.81
ENV	397450.270	+14998.14	- 1676193.3	+ 505463.1	+ 11229.6	+ 391.96	+1261.59	+ 926.38	+ 14888.71
ERR	0.00	265.16	3.3	9.1	1.6	0.01	0.02	0.00	5.89
AGC	IN POUNDS	+32481.44	- 5499311.0	+ 1658313.6	+ 36837.2	+1285.89	+4139.15	+3039.30	+ 48828.12
ENV	AND FEETS	+33065.02	- 5499321.9	+ 1658343.7	+ 36842.6	+1285.96	+4139.07	+3039.31	+ 48847.48

TPIPTIME: 3.974532[illegible] C5 P63: BRAKQUAL TPIP: 3.97459280000 05

R AND RG			V AND VG		
1.7[illegible]	-4.62[illegible]499999 02	-3.8982718745 9 05	3.54320764541 02	4.61578369140 -02	1.57414269447 03
-2.9[illegible]	3.7124999999 02	-3.92944749999 05	3.55321121215 02	-1.07765197753 00	1.57852429880 03

LAND			TTF	CG			AFC
1.7[illegible]	-3.33374[illegible] 02	3.11749999999 02	-5.43022626367 02	1.00	0.00	0.00	4.66654775664 00
				0.00	1.00	0.00	
				0.00	0.00	1.00	

TRANSIENT 0.361

UNFC				UNWC		
-2.31[illegible] -01	-1.19516[illegible] -02	-9.72798565521 -01	9.74896253213 -01	-2.63921916771 -04	-2.22659439090 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397460.19	14723.03	0	3426	2.9145	4.6665	3426	5486	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397460.44	6[illegible]	6 62	48828	- 165	- 9 3	2128	52937	99 78	5296	99999	9999

	C TIME	C UX	CDLY	CDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397461.28	- 0.131	103.6779	- 0.0878	0.0029	- 0.0761	0.0181	ACTUAL
	397461.2[illegible]	0.4064	103.6560	- 0.4943	0.0000	- 0.2087	0.0219	DESIRED

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	TIME	MASS	RR			VN			ALTITUDE
AGC	39746[illegible].79	+14704.25	- 1675403.9	+ 5076710.9	+ 13075.0	+ 393.64	+1256.10	+ 922.98	+ 14872.43
ENV	39746[illegible].79	+14961.85	- 1675417.6	+ 5079790.8	+ 13079.0	+ 393.66	+1256.08	+ 922.98	+ 14878.30
ERR	[illegible]	264.61	3.6	8.8	3.0	0.02	0.02	0.00	5.87
AGC	IN FEETS	+12416.39	- 5496732.2	+ 16668748.8	+ 42900.2	+1291.48	+4121.08	+3028.17	+ 48794.08
ENV	AND FEETS	+[illegible]	- 5496744.[illegible]	+ 16666038.8	+ 42910.1	+1291.55	+4121.01	+3028.17	+ 48813.35

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PIPTIME: 3.07401[illegible] 05 PEG: BRAKQUAL TPIP: 3.97461280000 05

	R AND RG			V AND VG		
	1.70753[illegible]1.49 06	-4.61[illegible]939[illegible]989 02	-3.86683874999 05	3.49856758117 02	3.09944152832 -02	1.56916168131 03
	-2.[illegible] 04	3.68[illegible] 9 02	-.08790249999 05	3.50849151611 02	-1.09367370605 00	1.57254431152 03

	LAND		TTF	CG			AFC
	1.73[illegible] 02	-2.10862458999 03	-5.40533090820 02	1.00	0.00	0.00	4.66872705146 00
				0.00	1.00	0.00	
TRANSIENT	.359			0.00	0.00	1.00	

	UNFC				UNWC		
-2.25548[illegible] -01	-1.13142711[illegible]92 -03	-9.74231229482 -01	9.75304266768 -01	-2.63892113748 -04	-2.20865383397 -01		

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	TIME	MASS	PAEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39746[illegible].13	14704.25	0	3425	2.9192	4.6687	3425	5478	0	4096	4096

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	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39746.43	63	6 63	48794	- 175	- 9.0	2110	52745	99.78	5277	99999	9999

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	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39746.28	- .1218	103.4033	- 0.1318	0.0009	- 0.1789	- 0.0451	ACTUAL
	39746[illegible].5	[illegible].1084	103.3374	- 0.4943	0.0000	- 0.2416	0.0219	DESIRED

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          TIME        |     MASS      |          RN                |          VN                |     ALTITUDE
AGC   357461.79       | +14675.52     | - 1674615.9  +  510477.9  +  14919.9  | + 395.33  +1250.59  + 919.58  | +  14861.43
ENV   357461.79       | +14936.51     | - 1674618.6  +  510487.5  +  14921.5  | + 395.34  +1250.57  + 919.58  | +  14867.25
ERR   0.00            |  261.99       |      2.6         9.5          1.5     |   0.01     0.01     0.00      |      5.82

AGC   IN PLANES       +32253.5        | - 5494146.5  + 1674756.5  +  48950.1  | +1297.02  +4102.99  +3017.02  | +  48757.99
ENV   AND EFFECTS     +32035.03       | - 5494155.7  + 1674827.7  +  48955.3  | +1297.07  +4102.93  +3017.01  | +  48777.09

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      PIPTIME:        3.97463280000  05            P63:  BRAKQUAD                          TPIP:        3.97463280000  05
                                                  ||||||||||||||

                    R AND PC                                                          V AND VG
  1.7[illegible]022[illegible]6249  06  -4.61957454[illegible]99  02  -3.83550562499  05   3.45401430130  02   1.58309926523 -02   1.56416373252  03
 -2.76[illegible]1749[illegible]995  06   [illegible]6624[illegible]99  02  -3.86650374999  05   3.46385555810  02  -1.10969542457  00   1.56854866545  03

                    LAND                                      TTF                      CG                          AFC
  1.7[illegible]37409  06  -8.28624[illegible]99  02   3.09974999999  03  -5.38045375976  02   1.00  0.00  0.00   4.67061996459  00
                                                                                             0.00  1.00  0.00
                                                                                             0.00  0.00  1.00
                    TRANSIENT  0.367

                    UNFC                                                              UNWC
 -2.19302773771 -01  -1.06462051[illegible] -03  -9.75656046686 -01   9.75707519486 -01  -2.63854860167 -04  -2.19077079581 -01

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          TIME        MASS      FWEIGHT   FCCLC     AF        AFC       EP        FC        PIF       PIFPSET   REG55
THROTTLE: 357464.18   14675.52     0      3424     2.9243    4.6706    3424      5469       0        4096      4096

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          TIME        MODE  VERBNOUN    H       HDOT      TTF       RANGE     ABVEL     TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS: 357464.44   60     6  63    48758   -  185   -  8.58     2093      52553     99.79     5258      99999     9999

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          COLTIME       CDUX        CDUY        CDUZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE: 357465.28  -  0.1315    102.9565  -  0.2197     0.0011   -  0.2228   -  0.0482      ACTUAL
          357465.28     0.4764    102.9969  -  0.4943     0.0000   -  0.2087      0.0329      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	3974650.279	+14646.66	- 1673823.9	+ 512973.9	+ 16753.9	+ 396.97	+1245.08	+ 916.17	+ 14849.61
ENV	3974650.279	+14910.16	- 1673826.3	+ 512983.1	+ 16757.3	+ 396.99	+1245.06	+ 916.16	+ 14855.61
ERR	[illegible]	263.30	2.3	9.1	3.3	0.01	0.01	0.00	5.79
AGC	IN FEETS	+[illegible]	- 5491541.5	+ 1682785.5	+ 54967.1	+1302.42	+4084.91	+3005.80	+ 48719.85
ENV	AND FEETS	+5287[illegible].95	- 5491556.1	+ 1683015.5	+ 54978.1	+1302.47	+4084.85	+3005.80	+ 48738.88

PIPTIME: 3.97465280000 05 PEG: BRAKQUAD TPIP: 3.97465280000 05

	ANB				V AND VG			
1.76851[illegible]	-4.61[illegible]	- .80427249999	05	3.40984869003	02	-9.25064086914	-03	1.55914063453	03
-1.65784[illegible]	3.64[illegible]	-3.83518124999	05	3.41901288452	02	-1.13563537597	00	1.56352767944	03

	LANL			TTF		CG			AFC	
1.735[illegible]	-8.262[illegible]	02	3.09087499999	03	-5.35559384765	02	1.00	0.00	0.00	4.67286678031	00
							0.00	1.00	0.00		
	TRANSIENT	0.355					0.00	0.00	1.00		

	UNFC					UNWC		
-.1302[illegible]	-9.6[illegible]	-04	-5.76959427169	-01	9.76106045344	-01	-2.63854860641	-04	-2.17294543472	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	3974660.19	14346.67	0	3423	2.9293	4.6728	3423	5461	0	4096	4096

	TIME	MODE	VGBNCUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3974660.43	6	4.63	46720	- 194	- 8.55	2076	52361	99.79	5238	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3974670.2[illegible]	- 0.1[illegible]	102.7661	- 0.2746	0.0024	- 0.0307	- 0.0110	ACTUAL
	3974670.2[illegible]	0.[illegible]	102.6782	- 0.4943	0.0000	- 0.2526	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397467.79	+14613.25	- 1673227.9	+ 515457.9	+ 18583.9	+ 398.58	+1239.57	+ 912.73	+ 14837.62
ENV	397467.279	+14680.81	- 1673270.7	+ 515467.7	+ 18586.2	+ 398.60	+1239.54	+ 912.73	+ 14843.38
ERR	0.00	262.56	2.7	9.7	2.2	0.01	0.02	0.00	5.75
ACC	IN POUNDS	+32227.39	- 5488937.0	+ 1691135.1	+ 60871.1	+1307.70	+4066.84	+2994.53	+ 48679.87
ENV	AND FEETS	+32817.24	- 5488945.9	+ 1691167.1	+ 60978.4	+1307.75	+4066.75	+2994.52	+ 48698.75

TPIPTIME: 3.97467.90000 05 P63: BRAKQUAD TPIP: 3.97467280000 05

R AND RD			V AND VG		
[illegible] 06	-4.61[illegible] 02	-3.77313999999 05	3.36597013473 02	-4.43458557128 -02	1.55409183502 03
-3.63[illegible] 04	3.61874999999 02	-3.80395999999 05	3.37565231323 02	-1.17187500000 00	1.55848045349 03

LAND			TTF	CG			AFC
1.73581 17499 06	-2.23174999999 02	3.08199999999 03	-5.33075634765 02	1.00	0.00	0.00	4.67513222247 00
				0.00	1.00	0.00	
T ANSIENT 0.355				0.00	0.00	1.00	

UNFC				UNWC			
-3.07178[illegible]12 61 -01	-2.16[illegible]811 -04	-9.78302815040 -01	9.76499875788 -01	-2.63892131586 -04	-2.15517801922 -01		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397468.19	14618.25	0	3422	2.9343	4.6751	3422	5454	0	4096	4096

	TIME	MODE	VERBACLA	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FGRVEL	DELTAH	THRCMD
DISPLAYS:	39746[illegible].43	63	6 [illegible]	436EC	- 204	- 8.53	2059	52169	99.79	5218	99999	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39469.2[illegible]	- [illegible]128	102.5244	- 0.2746	0.0018	- 0.2108	0.0057	ACTUAL
	39746[illegible].28	0.4064	102.3376	- 0.4943	0.0000	- 0.2087	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+14586.69	- 1672267.9	+ 5173316.9	+ 204058.9	+ 400.16	+1234.05	+ 900.28	+ 14824.81
ENV	397469.279	+14851.46	- 1672216.9	+ 5179413.3	+ 204088.2	+ 400.19	+1234.03	+ 900.28	+ 14830.61
ERR	0.00	261.70	3.0	6.3	2.2	0.02	0.02	0.00	5.80
AGC	IN FEETS	+32164.44	- 5486312.3	+ 16902516.9	+ 66948.8	+1312.89	+4048.73	+2983.22	+ 48637.83
ENV	ANE FEETS	+32741.53	- 5486325.1	+ 16992826.6	+ 66956.2	+1312.96	+4049.66	+2983.21	+ 48656.87

TPITIME: 3.97469280000 05 PEG: 8RAKQUAD TPIP: 3.97469280000 05

R AND RC			V AND VG		
[illegible] 06	-4.62124[illegible]999 02	-3.74210874999 05	3.32227897644 02	-7.94410705566 -02	1.54901733398 03
-6.56[illegible]999 04	3.5[illegible]749[illegible]999 02	-3.77283999999 05	3.33138247680 02	-1.20773315429 00	1.55340766906 03

	LAND	TTF	CG			AFC
1.72[illegible]7459 06	-6.1459[illegible] 02	3.07212499999 03	-5.30594135742 02	1.00	0.00	0.00	4.67699021100 00
				0.00	1.00	0.00	
	TRANSIENT 1.258			0.00	0.00	1.00	

UNFC			UNWC		
-6.01[illegible]711 -01	-6.7[illegible] -04	-9.79578329077 -01	9.76889040858 -01	-2.63966617093 -04	-2.13746888098 -01

	TIME	MASS	FREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397470.19	1458[illegible]	0	3427	2.9443	4.6769	3427	5444	0	4096	4096

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	5747.43	6[illegible]	6 63	48638	- 214	- 6.50	2042	51976	59.79	5199	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397471.2	- 6.1[illegible]8	162.0959	- 0.2416	0.3025	- 0.2051	- 0.0024	ACTUAL
	97471.2	0.0[illegible]4	162.0190	- 0.4943	0.0000	- 0.2746	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397471.279	+14561.19	- 16714.9	+ 521395.8	+ 22219.9	+ 401.71	+1228.53	+ 905.82	+ 14811.49
ENV	397471.279	+14622.10	- 16714.9	+ 520403.8	+ 27223.3	+ 401.73	+1228.51	+ 905.82	+ 14817.17
ERR	0.00	2.91	3.9	7.8	3.3	0.02	0.02	0.00	5.67
AGC	IN POUNDS	+32101.61	- 54836.81	+ 1707235.9	+ 72900.2	+1317.96	+4030.62	+2971.87	+ 48594.16
ENV	ARE FEET	+32675.1	- 54836.41	+ 1707361.8	+ 72911.3	+1318.03	+4030.54	+2971.87	+ 48612.79

PIPTIME: 3.97471280000 05 P63: BRAKQUAD TPIP: 3.97471280000 05

	R AND VG			V AND VG	
1.71051-6374 04	-4.62312455339 02	-3.71117937499 05	3.27887439727 02	-1.14536285400 -01	1.54391713142 03
-2.4972 04	3.56749392999 02	-3.74182124999 05	3.28839874267 02	-1.24359130859 00	1.54830932617 03

	LAND		TTF	CG	AFC
1.73580-187499 06	-8.19124559999 02	3.06424999999 03	-5.28114379882 02	1.00 0.00 0.00	4.67921607196 00
				0.00 0.00 0.00	
	TRANSIENT 0.353			0.00 0.00 1.00	

	UNFC			UNWC	
-1.95021747747 -01	-5.24291312 -04	-9.80798778046 -01	9.77273967885 -01	-2.64078378508 -04	-2.11981847746 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSFT	REG55
THROTTLE:	397472.19	14561.19	0	3426	2.9493	4.6792	3426	5436	0	4096	4096

	TIME	MODE	VERBNOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397472.44	64	6 63	48594	- 224	- 8.48	2025	51783	99.79	5179	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397472.28	- 0.1170	101.6235	- 0.2856	0.0018	- 0.2069	0.0008	ACTUAL
	397472.28	0.0164	101.5795	- 0.3955	0.0000	- 0.2307	0.1098	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	397474.79	+14532.75	- 167062.9	+ 522945.9	+ 24029.9	+ 403.21	+1223.01	+ 902.36	+ 14797.49
ENV	397474.79	+147-2.74	- 16706.4.9	+ 522855.3	+ 24031.5	+ 403.23	+1222.98	+ 902.36	+ 14803.15
ERR	0.00	259.99	2.9	9.3	1.5	0.01	0.02	0.00	5.65
AGC	IN POUNDS	+32031.90	- 5481343.3	+ 1715374.0	+ 78828.5	+1322.89	+4012.52	+2960.51	+ 48548.22
ENV	AND BITS	+32612.0.	- 5481053.1	+ 1715404.7	+ 78843.6	+1322.95	+4012.43	+2960.50	+ 48566.78

PIPTIME: 3.97473280000 05 PEG: BRAKQUAL TPIP: 3.97473280000 05

	R AND G			V AND VG		
1.71157[illegible]4374[illegible] 06	-4.6[illegible]5624[illegible] 02	-3.68035147499 05	3.23588748672 02	-1.49631500244 -01	1.53880128860 03	
-2.63214[illegible] 04	3.54174[illegible]9999 02	-3.71050459999 05	3.24520410766 02	-1.27944946289 00	1.54219496154 03	

	LANE		TTF	CG			AFC
[illegible] 06	-[illegible] 02	3.05537493999 02	-5.25635703124 02	1.00	0.00	0.00	4.68153040856 00
				0.00	1.00	0.00	
	TRANSIENT 0.347			0.00	0.00	1.00	

	UNFC			UNWC		
-1.09[illegible] -01	-3.7[illegible] -04	-9.81962862352 -01	9.77653499749 -01	-2.64219540730 -04	-2.10222654857 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397474.19	14532.75	0	3420	2.9493	4.6815	3420	5428	0	4096	4096

	TIME	MODE	VEXRNCUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAF	THRCMD
DISPLAYS:	397474.43	63	6 63	48548	- 233	- 8.45	2008	51589	99.79	5159	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397475.28	- [illegible]109	101.3488	- 0.1098	0.0034	- 0.1511	0.0775	ACTUAL
	397475.28	[illegible]4	101.2390	- 0.2746	0.0000	- 0.1977	0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39747[illegible]	+145[illegible]	- 1669813.9	+ 525785.9	+ 25829.9	+ 404.67	+1217.49	+ 898.88	+ 14782.99
ENV	39747[illegible]	+147[illegible]	- 1668817.7	+ 525295.8	+ 25832.8	+ 404.69	+1217.46	+ 898.89	+ 14788.56
ERR	[illegible]	253.01	3.0	9.8	2.8	0.01	0.03	0.00	5.56
ACC	IN POUNDS	+21976.31	- 5478392.3	+ 1723379.2	+ 84744.0	+1327.66	+3994.40	+2949.10	+ 48500.65
ENV	AND FEETS	+32547.34	- 5478402.4	+ 1723411.5	+ 84753.3	+1327.72	+3994.29	+2949.11	+ 48518.92

PIPTIME: 3.97475280000 05 PEG: BRAKQUAD TPIP: 3.97475280000 05

R AND RG				V AND VG		
1.71221[illegible]7455 0[illegible]	-[illegible] 02	-2.64962749999 05	3.19322872161 02	-1.84726715087 -01	1.53364973068 03	
-2.[illegible]	[illegible]	-1.4099[illegible]	-1.6806[illegible]9249999 05	3.20259475708 02	-1.31568908669 00	1.53804512023 03

LAND		TTF	CG			AFC
1.7[illegible]	-8.14374[illegible] 02	3.04649999999 03	-5.23160217382 02	1.00 0.00 0.00		4.68342729153 00
				0.00 1.00 0.00		
TRANSIT [illegible] 249				0.00 0.00 1.00		

UNFC			UNWC		
-1.63079[illegible] -01	-2.26912536EC -04	-9.83098116169 -01	9.78028852968 -01	-2.64398752764 -04	-2.08469405077 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7476.19	14[illegible]6.76	0	3430	2.9643	4.6834	3430	5420	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDCT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	9747[illegible].43	63	[illegible] 63	49501	- 242	- [illegible] 43	1991	51395	99 79	5141	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7477.2[illegible]	- 0.1[illegible]	1[illegible].9643	- 0.1318	0.0005	- 0.2211	- 0.0559	ACTUAL
	[illegible]7477.2[illegible]	[illegible].4064	1[illegible].9204	- 0.2746	0.0000	- 0.2416	0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	397477.79	+14476.02	- 1669003.9	+ 527715.9	+ 27623.9	+ 406.08	+1211.95	+ 895.41	+ 14767.99
ENV	397477.27	+14734.00	- 1669006.2	+ 527725.2	+ 27627.1	+ 406.11	+1211.92	+ 895.42	+ 14773.48
ERR	[illegible]	257.9[illegible]	2.7	5.2	3.1	0.02	0.02	0.00	5.48
AGC	IN POUNDS	+31913.84	- 5475734.9	+ 1731351.7	+ 90629.9	+1332.30	+3976.22	+2937.71	+ 48451.44
ENV	AND FOOTS	+32482.59	- 5475742.3	+ 1731381.9	+ 90640.1	+1332.38	+3976.13	+2937.72	+ 48469.44

PIPTIME: 3.97477280000 05 PEG: BRAKGOAL TPIP: 3.97477280000 05

R AND RG			V AND VG		
1.71284713169 06	-4.65749993[illegible]2	-3.61900624999 05	3.15088701248 02	-1.99990128718 -01	1.52847256660 03
-2.31441[illegible]999 04	3.48749[illegible]99 02	-3.64538249999 05	3.16017532348 02	-1.33171081542 00	1.53286972045 03

LANC			TTF	CG			AFC
1.7[illegible]58[illegible]74[illegible] 06	-5.11[illegible]999[illegible]99 02	3.03762499999 03	-5.20687392578 02	1.00	0.00	0.00	4.68563754111 00
				0.00	1.00	0.00	
TRANSIENT 0.341				0.00	0.00	1.00	

UNFC				UNWC		
-1.772227[illegible] -01	-1.48914303446 -04	-9.84170753517 -01	9.78399670142 -01	-2.06614820082 -04	-2.06722072946 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7478.19	14476.02	0	3429	2.9653	4.6856	3429	5412	0	4096	4096

	TIME	MCLE	VERRACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397478.44	[illegible]	[illegible] 65	49451	- 251	- 8.40	1974	5120	[illegible]	5122	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	397479.28	- [illegible]1059	100.5358	- 0.1867	0.0030	- 0.1714	0.0065	ACTUAL
	397479.2[illegible]	0.[illegible]64	100.5758	- 0.2746	0.0000	- 0.1977	0.0659	DESIRED

	TIME	MASS		FN				VN				ALTITUDE
AGC	39747.[illegible]	+14447.74	- 1668189.9	+ 530133.9	+ 29411.9		+ 407.46	+1206.42	+ 891.93		+	14752.37
ENV	39747.279	+14704.63	- 1668192.6	+ 530143.5	+ 29414.4		+ 407.48	+1206.39	+ 891.93		+	14757.79
ERR	[illegible]	256.8[illegible]	2.6	9.5	2.4		0.02	0.03	0.00			5.42
AGC	IN POUNDS	+31853.49	- 5473064.3	+ 1739284.7	96496.0		+1336.81	+3958.09	+2926.29		+	48400.18
ENV	AND FEETS	+22417.84	- 5473073.0	+ 1739316.0	96504.1		+1336.89	+3957.98	+2926.29		+	48417.97

PIPTIME: [illegible] 05 PEG: BRAKQUAD TPIP: 3.97479280000 05

	R AND RG			V AND VG		
1.713[illegible] 06	-4.63687[illegible] 02	-3.58848874999 05	3.10893344979 02	-2.24971771240 -01	1.52327580995 03	
-2.41[illegible] 04	3.45874[illegible] 02	-3.61877624999 05	3.11814117631 02	-1.35765075683 00	1.52767829895 03	

	LAND		TTF	CG			AFC
1.75589187499 06	-8.56249[illegible] 02	3.02874999999 03	-5.18215209960 02	1.00	0.00	0.00	4.68795653432 00
				0.00	1.00	0.00	
TRANSIENT 0.237				0.00	0.00	1.00	

	UNFC				UNWC		
-1.714[illegible] -01	-3.[illegible] -05	-9.85196507665 -01	9.78765979491 -01	-2.64868138226 -04	-2.04980699664 -01		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39748.13	14447.74	0	3423	2.9693	4.6879	3423	5404	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97480.43	63	6 63	484CC	- 260	- 8.38	1558	51006	99.80	5103	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97481.23	[illegible]	100.3491	- 0.1977	0.0025	- 0.0703	- 0.0302	ACTUAL
	97481.2[illegible]	[illegible]	100.2612	- 0.2746	0.0000	- 0.2416	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]1.27	+1441.64	- 1667372.9	+ 532541.9	+ 31191.9	+ 408.80	+1200.85	+ 888.43	+ 14736.18
ENV	39748[illegible]1.27	+1467.02	- 1667376.3	+ 532550.7	+ 31194.8	+ 408.82	+1200.85	+ 888.43	+ 14741.58
ERR	[illegible]	25.61	2.3	9.7	2.8	0.01	0.02	0.00	5.39
AGC	IN FEETS	+3167.33	- 5470387.1	+ 1747185.0	+ 102335.9	+1341.21	+3939.90	+2914.80	+ 48347.07
ENV	AND FEET/S	+3[illegible]3.07	- 5470394.8	+ 1747213.8	+ 102345.3	+1341.27	+3939.81	+2914.81	+ 48364.76

PITIME: 3.974[illegible] 05 PBI: BRAKQUAD TPIP: 3.97481280000 05

R AND RG			V AND VG		
1.714[illegible] 06	-[illegible].64187[illegible] 02	-[illegible].5588[illegible]7562439 05	3.06716775894 02	-2.50053405761 -01	1.51805148124 03
-[illegible] 04	3.42999[illegible] 02	-[illegible].58827374999 05	3.7629776000 02	-1.38359069824 00	1.52245178222 03

LAND		TTF	CG			AFC
1.7[illegible]	-[illegible].724[illegible] 02	3.01987459999 03	-5.15746025390 02	1.00 0.00 0.00		4.68980986624 00
				0.00 1.00 0.00		
TRANSIENT [illegible].42				0.00 0.00 1.00		

UNFC			UNWC		
-[illegible]	[illegible].189[illegible] -05	-9.862[illegible]3655733 -01	9.79127808055 -01	-2.65158710480 -04	-2.03245332500 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIE	PIFPSET	REG55
THROTTLE:	[illegible]7482.19	1441.[illegible]	0	3433	2.9843	4.6898	3433	5395	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	TFRCMD
DISPLAYS:	[illegible]7482.44	63	[illegible] 63	48347	- 269	- [illegible] 35	1941	50811	99 80	5084	99999	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7483.22	- [illegible]	100.0085	- 0.2526	0.0007	- 0.2140	- 0.0269	ACTUAL
	39743.2	0.4064	99.9206	- 0.2746	0.0010	- 0.1977	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3974[illegible]0.79	+14[illegible]0.59	- 1666[illegible]3.9	+ 534937.9	+ 32965.9	+ 410.11	+1195.34	+ 884.92	+ 14719.56
ENV	3974 3.279	+14645.88	- 1666557.3	+ 534943.9	+ 32968.2	+ 410.13	+1195.31	+ 884.92	+ 14724.82
ERR	[illegible]	256.2	3.3	8.9	2.2	0.02	0.02	0.00	5.25
AGC	[illegible]	+5172[illegible]	- 5467656.8	+ 1755045.9	+ 108156.1	+1345.51	+3921.74	+2903.28	+ 48292.52
ENV	[illegible]	+5228[illegible]	- 5467707.9	+ 1755175.3	+ 108163.4	+1345.58	+3921.64	+2903.30	+ 48309.78

PIPTIME: 3.97483280000 05 P63: BRAKQUAD TPIP: 3.97483280000 05

	R AND RD			V AND VG		
	1.71470074955 06	-4.04745[illegible]59 02	-3.52776687499 05	3.02569055557 02	-2.85143820605 -01	1.51280760765 03
	-[illegible]	[illegible]	-3.55787624999 05	3.03474426269 02	-1.41944885253 00	1.51720924377 03

	LAND			TTF	CG			AFC
	[illegible]	-8.04974[illegible] 02	3.01055555555 03	-5.13277934570 02	1.00	0.00	0.00	4.69206832349 00
					0.00	1.00	0.00	
	TRANSIENT 0.335				0.00	0.00	1.00	

	UNFC				UNWC	
-1.5[illegible]	[illegible] -04	-9.87155807940 -01	9.79485195989 -01	-2.65479085033 -04	-2.01515955590 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3974[illegible]	14[illegible]	0	3426	239943	4.6920	3426	5387	0	4096	4096

	TIME	MODE	VERBANOUN	F	HCOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3974[illegible]43	63	6 6[illegible]	48293	- 278	- 8 33	1925	50615	99 80	5063	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.7485028	- [illegible]08	99.6350	- 0.0526	0.0025	- 0.1426	0.0368	ACTUAL
	3.7485000	[illegible]4	99.6020	- 0.1757	0.0000	- 0.2526	0.1098	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
ACC	3974[illegible]	+14370.61	- 1665733.9	+ 537323.9	+ 34731.9	+ 411.37	+1189.81	+ 881.39	+ 14702.31
ENV	397[illegible]	+14616.4[illegible]	- 1665735.8	+ 537332.	+ 34734.5	+ 411.40	+1188.77	+ 881.40	+ 14707.58
ERR	[illegible]	255.88	1.8	9.0	2.5	0.02	[illegible].03	0.00	5.27
ACC	IN FEDUNTS	+3165.40	- 5465006.5	+ 1762874.0	+ 113950.1	+1349.67	+3903.58	+2891.72	+ 48235.93
ENV	ANE FEDUNTS	+3222.52	- 5465012.5	+ 1762900.4	+ 113958.5	+1349.75	+3903.47	+2891.75	+ 48253.23

PIPTIME: [illegible].974852[illegible]000 05 P63: BRAKQUAD TPIP: 3.97485280000 05

R AND PC			V AND VG		
1.715[illegible] 1749[illegible]9 06	-[illegible].65[illegible]749 [illegible]9 02	-3.49759[illegible]12495 05	2.984601C2081 02	-3.20243835449 -01	1.50753817558 03
-2.0[illegible]	[illegible].71 4[illegible] 9C 0[illegible]	-2.5275[illegible]374990 05	2.9935[illegible]76C4980 02	-1.45530700683 CC	1.51194152832 03

LAND		TTF	CG	AFC
1.7[illegible]91[illegible]7[illegible] 01	-4.72497[illegible] 99 02	3.00212499999 03	-5.10811997070 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.69541177153 00

TRANSIENT [illegible]27

UNFC			UNWC		
-1.54[illegible] -01	4.[illegible] -04	-9.88051273405 -01	9.79583173466 -01	-2.65836714587 -04	-1.99792600333 -01

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3974[illegible]19	14370.61	0	3421	2.9943	4.6954	3421	5380	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97486.43	63	6 63	48236	- 286	- 8 30	1908	5041[illegible]	55 80	5044	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97487.26	- [illegible].0588	99.2395	- 0.0988	0.0041	- 0.1940	0.1183	ACTUAL
	97487.28	0.4064	99.2614	- 0.0545	0.0000	- 0.1977	0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+14331.67	- 1664909.9	+ 5[illegible]697.9	+ 36491.9	+ 412.61	+1184.27	+ 877.87	+ 14684.49
ENV	3974[illegible].27	+14587.10	- 1664911.7	+ 5[illegible]706.0	+ 36493.8	+ 412.63	+1184.23	+ 877.88	+ 14689.76
ERR	[illegible]	[illegible]	1.7	8.0	1.8	0.02	0.03	0.00	5.26
AGC	IN PROUNDS	+31505.61	- 5462303.1	+ 1770662.7	+ 119724.6	+1353.71	+3885.41	+2880.18	+ 48177.49
ENV	AND FEETS	+[illegible]1585.74	- 5462309.0	+ 1770689.2	+ 119730.4	+1353.78	+3885.29	+2880.19	+ 48194.78

PIPTIME: 3.97487280000 05 PBI: ERASQUAD TPIP: 3.97487280000 05

R AND RG				V AND VG			
1.71585[illegible] 6249	06	-4.66062[illegible]99	02	-3.46746499999	05	2.94379997252	02	-3.45325469970	-01	1.50225324630	03
-1.55971[illegible]	04	3.39[illegible]	02	-3.45729743999	05	2.95269775390	02	-1.48124694824	00	1.50665817260	03

LAND				TTF		CG			AFC	
1.7358[illegible]59	06	-[illegible]00124999999	02	2.99324999999	03	-5.08246992187	02	1.00	0.00	0.00	4.69743274152	00
								0.00	1.00	0.00		
TRANSIENT 0.333								0.00	0.00	1.00		

UNFC						UNWC			
-1.4847[illegible]110	-01	5.2214[illegible]05259	-04	-9.88930810267	-01	9.80186770107	-01	-2.66239045632	-04	-1.98075300890	-01

	TIME	MASS	FREIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	3974880.15	14331.67	0	3424	2.9943	4.6974	3424	5372	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	RORVEL	DELTAH	THRCMD
DISPLAYS:	3974880.43	63	6 63	48177	- 295	- 8.28	1892	50223	99.80	5023	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3974890.26	- 0.0[illegible]78	99.0307	- 0.0588	0.0011	- 0.0795	- 0.0716	ACTUAL
	3974890.20	0.0564	98.9428	- 0.0549	0.0000	- 0.2526	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397485.279	+14[illegible]	- 1664081.9	+ 542259.9	+ 38243.9	+ 413.80	+1178.71	+ 874.35	+ 14666.24
ENV	397485.279	+14857.71	- 1664015.3	+ 542069.0	+ 38246.0	+ 413.82	+1178.68	+ 874.35	+ 14671.44
ERR	0.000	2584.90	3.3	9.0	2.0	0.02	0.03	0.00	5.19
AGC	IN POUNDS	+31501.07	- 5459586.6	+ 1778412.0	+ 125472.4	+1357.61	+3867.18	+2868.61	+ 48117.61
ENV	AND FEETS	+32095.94	- 5459857.5	+ 1778441.6	+ 125479.2	+1357.68	+3867.07	+2868.62	+ 48134.65

PIPTIME: 3.97485280000 05 PB3: BRAKQUAD TPIP: 3.97489280000 05

R AND RC			V AND VG		
1.71447[illegible] 06	-4.66745[illegible] 02	-3.43747312429 05	2.90328788757 02	-3.60488891601 -01	1.49693279266 03
-1.94128[illegible] 06	[illegible] 02	-3.46731624999 05	2.91209937500 02	-1.49726867675 00	1.50133895874 03

LAT	TTF	CG	AFC
1.7[illegible]	-7.37745[illegible] 02	2.98437499999 03	-5.05885209960 02	1.00 0.00 0.00	4.69962134957 00
		0.00 1.00 0.00	
		0.00 0.00 1.00	

TRANSIENT 0.326

UNFC				UNWC			
-1.427[illegible] -01	[illegible] -04	-9.85760377481 -01	9.80531014692 -01	-2.66626475267 -04	-1.96364095843 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7490.19	14[illegible]2.1	0	3437	3.0093	4.6956	3434	5363	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397490.43	63	6 63	4118	- 303	- 8.25	1875	50027	55.80	5004	59999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7491.28	- 0.[illegible]78	98.6572	- 0.1208	0.0025	- 0.2353	0.0145	ACTUAL
	3[illegible]74[illegible]	[illegible]4	98.6023	- 0.[illegible]549	0.0000	- 0.1977	0.0549	DESIRED

	TIME	MASS	FN			VN			ALTITUDE
AGC	39749.279	+14274.[illegible]	- 1683293.9	+ 544411.9	+ 39987.9	+ 414.95	+1173.16	+ 870.82	+ 14647.49
ENV	39749.279	+14528.32	- 1683256.5	+ 544420.8	+ 39991.2	+ 414.98	+1173.13	+ 870.82	+ 14652.66
ERR	[illegible]	[illegible]	2.5	8.8	3.2	0.02	0.03	0.00	5.16
AGC	IN POUNDS	+31469.46	- 5456870.0	+ 1786128.6	+ 131194.2	+1361.40	+3848.96	+2857.02	+ 48056.10
ENV	ARE FEETS	+32029.14	- 5456878.3	+ 1786157.5	+ 131204.9	+1361.48	+3848.85	+2857.03	+ 48073.04

PIPTIME: [illegible] CS

PEG3: BRAKQUAD

TPIP: 3.97491280000 05

R AND RG				V AND VG			
1.71705[illegible] 7499	06	-4.67499[illegible]999	02	-3.40758740[illegible]	05	2.86306333541 02	-3.75652313232 -01	1.49159674644 03
-1.88[illegible]	04	3.7[illegible]	02	-3.43734249999	05	2.87181091308 02	-1.51329040527 00	1.49600448608 03

	LAND			TTF		CG			AFC	
4.735[illegible]87499	-7.[illegible]374[illegible]	02	2.97549999999	03	-5.03424370117	02	1.00	0.00	0.00	4.70191240310 00
							0.00	1.00	0.00	
TRANSIENT 0.324							0.00	0.00	1.00	

UNFC						UNWC			
-1.37125[illegible]	-01	8.959[illegible]4546286	-04	-9.90553504548	-01	9.80870943430	-01	-2.67058609878 -04	-1.94658986467 -01

	TIME	M-SS	FWEICHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39749.19	14274.[illegible]	0	3427	3.0093	4.7019	3427	5355	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39749.43	63	6 63	48056	- 311	- 8.23	1859	49830	99.80	4985	99999	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	74[illegible]3.2[illegible]	- 0.769	98.3386	- 0.0329	0.0040	- 0.1585	0.0428	ACTUAL
	7493.43	0.4164	9.2836	- 0.549	0.0000	- 0.2526	0.0659	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
ACC	[illegible]	+1424.64	- 1662421.9	+ 5467530.9	+ 41727.9	+ 416.06	+1167.61	+ 867.28	+ 14628.24
ENV	[illegible]	+1449.92	- 1662425.4	+ 5467501.5	+ 4172[illegible].3	+ 416.09	+1167.57	+ 867.28	+ 14633.31
ERR		25.67	3.4	7.5	1.3	0.02	0.03	0.00	5.06
ACC	IN THOUSANDS	+314.[illegible]7	- 5454[illegible].4	+ 1793812.3	+ 1369[illegible].8	+1365.05	+3931.74	+2845.40	+ 47992.94
ENV	AND FEETS	+319.[illegible]	- 5454151.7	+ 1793837.0	+ 1369[illegible].4	+1365.14	+3830.62	+2845.41	+ 48009.56

PIPTIME: 3.97493280000 05 PEG: BRAKCUAD TPIP: 3.97493280000 05

	ANC R			V AND VG		
[illegible]	[illegible] 02	-3.37780337499 05	2.82222788238 02	-3.90815724863 -01	1.48623523712 03	
-1.[illegible]	[illegible] 02	-3.40747499999 05	2.83189392189 02	-1.52893066406 00	1.49064445495 03	

	LANC		TTF	CG			AFC	
[illegible]	-7.92999999991 02	2.96662499999 03	-5.00965898437 02	1.00	0.00	0.00	4.70495782792	00
				0.00	1.00	0.00		
	TRANSIENT 0.320			0.00	0.00	1.00		

	UNFC			UNWC		
-1.[illegible]53 -01	7.0151[illegible] -04	-3.91305785349 -01	9.812[illegible]6578532 -01	-2.67498192468 -04	-1.92960044281 -01	

	TIME	MASS	WEIGHT	FCOLD	AF	AEC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]4.19	14[illegible]	0	3432	3.01[illegible]	4.7049[illegible]	3432	5348	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	[illegible]4.43	63	6 63	47993	- 319	- 8.21	1843	49632	99.80	4965	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- 0.7[illegible]	97.9321	- 0.0439	0.0029	- 0.1881	0.0061	ACTUAL
	[illegible]	[illegible]	97.9431	- 0.0549	0.0000	- 0.1867	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3974[illegible]	+14216.54	- 1661589.9	+ 549083.9	+ 43457.9	+ 417.14	+1162.05	+ 863.72	+ 14608.43
ENV	3974[illegible]	+14[illegible]	- 1661592.1	+ 549091.1	+ 43460.4	+ 417.17	+1162.01	+ 863.73	+ 14613.46
ERR	[illegible]	[illegible]	2.1	7.1	2.4	0.03	0.03	0.00	5.03
AGC	IN POUNDS	+31341.80	- 5451410.7	+ 1801456.6	+ 142578.7	+1368.57	+3812.50	+2833.75	+ 47927.94
ENV	AM FEETS	+31[illegible].51	- 5451417.8	+ 1801480.0	+ 142586.6	+1368.67	+3812.38	+2833.78	+ 47944.45

PIPTIME: 3.97495280000 05 P63: BRAKQUAD TPIP: 3.97495280000 05

R AND RG			V AND VG		
1.71818518745 04	-4.[illegible] 02	-7.34813874999 05	2.78368139266 02	-4.05979156494 -01	1.48084831237 03
-1.77[illegible] 04	[illegible] 02	-2.37771624999 05	2.79227447509 02	-1.54495239357 00	1.48525886535 03

LAND			TTF		CG			AFC
1.73585187499 06	-7.90624[illegible] 02	2.55774999999 03	-4.98509443359 02		1.00	0.00	0.00	4.70723723992 00
					0.00	1.00	0.00	
TRANSIENT 0.318					0.00	0.00	1.00	

UNFC			UNWC		
-1.2[illegible]64871 01 -01	[illegible].72[illegible]873[illegible] -04	-9.92021615722 -01	9.81537961492 -01	-2.67960129412 -04	-1.91267243265 -01

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THPTITLE:	3974[illegible].19	14216.54	0	3420	3.0243	4.7072	3430	5339	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7496.43	63	6 63	47928	- 327	- 6 18	1826	49435	99 81	4944	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	974[illegible]7.028	- [illegible]39	97.7124	- 0.0329	0.0034	- 0.0754	0.0026	ACTUAL
	3974[illegible]7.0[illegible]	[illegible]4	97.6245	- 0.0549	0.0000	- 0.2307	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+141[illegible]	- 1660753.9	+ 551401.9	+ 451814.3	+ 418.18	+1156.48	+ 860.18	+ 14588.18
ENV	397497.279	+1444[illegible].11	- 1660756.7	+ 551409.5	+ 451843.3	+ 418.21	+1156.45	+ 860.18	+ 14593.14
ERR	[illegible]	25.20	2.7	7.5	2.3	0.02	1.03	0.00	4.95
ACC	IN FEETS	+3127[illegible]	- 5446767.9	+ 1809061.6	+ 148234.9	+1371.99	+3794.25	+2822.12	+ 47861.50
ENV	ALL FEETS	+3186[illegible]	- 5448877.0	+ 1809286.5	+ 148242.5	+1372.09	+3794.13	+2822.12	+ 47877.76

TIPTIME: 3.97497[illegible] 05 P63: BRAKQUAL TPIP: 3.97497280000 05

	R AND RG			V AND VG		
1.718737[illegible] 06	-4.0[illegible]8749[illegible] 02	-3.31857562499 05	2.74442251259 02	-4.01128897802 -01	1.47544598579 03	
-1.7153[illegible] 04	3.18[illegible]74999999 02	-3.34806497999 05	2.75293731689 02	-1.55105590820 00	1.47985801696 03	

	LAND		TTF	CG			AFC
1.735[illegible]	-7.8824[illegible]999 02	2.94887459999 03	-4.96053769531 02	1.00	0.00	0.00	4.70953760668 00
				0.00	1.00	0.00	
	TRANSIENT .215			0.00	0.00	1.00	

	UNFC				UNWC		
-1.2[illegible]	9.24332441467 -04	-9.92700223537 -01	9.81865127316 -01	-2.68429516912 -04	-1.89580588944 -01		

	TIME	MASS	FWEIGHT	FCOL	AF	AFC	FP	FC	FIF	PIFPSET	REG55
THROTTLE:	7495.19	141[illegible]	0	3429	3.293	4.7055	3429	5331	0	4096	4096

	TIME	MODE	VF BRCUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	9745[illegible]	63	6 63	47962	- 335	- 8 16	1810	49237	99 81	4625	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	9749[illegible].28	- [illegible].7855	97.3458	- 0.0329	0.0022	- 0.2423	0.0242	ACTUAL
	-749[illegible].23	0.0[illegible]4	97.2839	- 0.0549	0.0000	- 0.1757	0.0769	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	3974[illegible]0.279	+14159.[illegible]	- 1659[illegible]17.9	+ 5547[illegible]09.9	+ 46897.9	+ 419.19	+1150.92	+ 856.61	+ 14567.49
ENV	3974[illegible]0.279	+144[illegible].7	- 1659519.3	+ 5537[illegible]6.9	+ 46901.1	+ 419.22	+1150.88	+ 856.62	+ 14572.38
ERR	[illegible].00	291.37	1.3	6.9	3.1	0.02	0.03	0.00	4.88
AGC	IN FEET	+3121[illegible].56	- [illegible]445925.1	+ 1816633.8	+ 153864.8	+1375.31	+3775.99	+2810.41	+ 47793.63
ENV	AND FEET/S	+3170[illegible].34	- [illegible]445929.5	+ 1816656.5	+ 153875.1	+1375.39	+3775.88	+2810.44	+ 47809.67

PIPTIME: 3.97455280000 05 P63: BRAKQUAD TPIP: 3.97499280000 05

R AND RG			V AND VG		
1.71322[illegible] 04	-4.7[illegible]6 743999 02	-3.28912124999 05	2.70535373687 02	-4.26292419433 -01	1.47001824378 03
-1.66[illegible] 04	3.151[illegible] 02	-3.21852124999 05	2.71379470825 02	-1.56707763671 00	1.47443161010 03

	LAND		TTF	CG			AFC
0.735[illegible]7499 [illegible]	-7.858749[illegible] 02	2.539999999999 03	-4.93600307617 02	1.00 0.00 0.00	0.00 1.00 0.00	0.00 0.00 1.00	4.71260398626 00

TRANSIGHT [illegible].316

UNFC			UNWC		
-1.1911[illegible]77473 -01	1.018[illegible] -03	-9.93351582966 -01	9.82188095172 -01	-2.68898901473 -04	-1.87900168692 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975[illegible]0.19	14159.[illegible]	0	3428	3.0343	4.7126	3428	5324	0	4096	4096

	TIME	MODE	VERBANOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3975[illegible]0.43	63	6 63	47794	- 343	- 8 13	1754	49038	99 81	4905	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975[illegible]1.8	- 0.1655	97.0312	- 0.0219	0.0014	- 0.1163	- 0.0282	ACTUAL
	3975[illegible].2	0.4064	96.9653	- 0.0549	0.0000	- 0.2307	0.0769	DESIRED

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	TIME	MASS	RA			RN			ALTITUDE
AGC	397[illegible].79	+141[illegible]	- 1659077.9	+ 556005.9	+ 48607.9	+ 420.15	+1145.35	+ 853.04	+ 14546.31
ENV	3975 1.279	+143 [illegible]	- 1659079.9	+ 556013.1	+ 48610.8	+ 420.18	+1145.32	+ 853.05	+ 14551.09
ERS	0.00	25[illegible]	1.9	7.1	2.8	0.03	0.03	0.00	4.78
AGC	IN PROGRESS	+311[illegible]	- 5443159.2	+ 1824166.6	+ 159475.0	+1378.45	+3757.73	+2798.71	+ 47724.12
ENV	AND PLOTS	+317[illegible]	- 5443175.5	+ 1824190.0	+ 159484.3	+1378.55	+3757.61	+2798.73	+ 47739.82

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PIPTIME: 3.97501280000 05 P63: BRAKQUAD TPIP: 3.97501280000 05

	R AND RG			V AND VG		
	[illegible] 06	-4.71[illegible] 02	-3.25977562499 05	2.66677427291 02	-4.31442260742 -01	1.46458513404 03
	-1.66[illegible] 04	3.11874999999 02	-3.28908624999 05	2.67514038085 02	-1.57279968261 00	1.46898002624 03

	LANC		TTF	CG			AFC	
	[illegible] 06	-7.83[illegible] 02	2.93112499999 02	-4.91148715820 02	1.00	0.00	0.00	4.71488572657 00
					0.00	1.00	0.00	
	TRANSIENT	1.207			0.00	0.00	1.00	

	UNFC			UNWC		
-1.[illegible]7707[illegible]514 -[illegible]	[illegible]71[illegible] -03	-9.93956693116 -01	9.82506901795 -01	-2.69398091391 -04	-1.86225979253 -01	

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	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397502.19	14[illegible].1	[illegible]	3432	3.0443	4.7148	3432	5316	0	4096	4096

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3975 2.43	6[illegible]	6 63	47724	- 351	- 8 11	1778	48840	99 81	4885	99999	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3 7502.28	- 0.[illegible]549	96.6577	0.1219	0.0015	- 0.2151	0.0376	ACTUAL
	397502.[illegible]	0.4064	96.6247	- 0.0549	0.0000	- 0.1647	0.0769	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	3975[illegible].79	+14102.34	- 1658235.9	+ 558289.9	+ 50309.9	+ 421.09	+1139.79	+ 849.46	+ 14524.56
ENV	3975[illegible].279	+14351.87	- 1658238.6	+ 558298.2	+ 50313.3	+ 421.11	+1139.75	+ 849.47	+ 14529.34
ERR	[illegible]	24.53	2.6	8.2	3.3	0.02	0.04	0.01	4.77
AGC	IN POUNDS	+[illegible]	- 5440476.8	+ 1831660.1	+ 165059.0	+1381.52	+3739.48	+2786.96	+ 47652.76
ENV	ANGLE DEGS	+[illegible]	- 5440415.3	+ 1831687.0	+ 165070.0	+1381.60	+3739.34	+2787.00	+ 47668.44

PIPTIME: [illegible] CS P63: ERASQUAD TPIP: 3.97503280000 05

R AND RG				V AND VG			
1.72034[illegible]8749	06	-4.724[illegible]7495990	02	-3.23057874999	05	2.62838411331	02
-1.85431[illegible]4[illegible]289	06	3.18624[illegible]	02	-2.25976124999	05	2.63867297363	02
-4.46605682373	-01	1.45909667015	03				
-1.58882141113	00	1.46351280212	03				

LAND				TTF		CG			AFC	
1.735[illegible]1[illegible]7499	06	-7.[illegible]1149999999	02	2.52224999999	03	-4.88698271484	02	1.00	0.00	0.00
								0.00	1.00	0.00
								0.00	0.00	1.00
4.71686944365	00									

TRANSIENT 0.314

UNFC						UNWC			
-[illegible]0463[illegible]79	-01	1.16[illegible]25[illegible]	-03	-9.94542920050	-01	9.82821583648	-01	-2.69897280050	-04
-1.84558017624	-01								

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975[illegible]4.18	14102.34	0	3431	3.0493	4.7168	3431	5307	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FDPVEL	DELTAH	THRCMD
DISPLAYS:	3975[illegible]4.43	6[illegible]	[illegible] 63	47653	- 3[illegible]9	- 8 8	1762	48641	99 81	4866	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975[illegible]5.26	- 0.[illegible]549	56.3540	- 0.0219	0.0016	- 0.1024	- 0.0151	ACTUAL
	3975[illegible]5.2[illegible]	[illegible].4064	96.3061	- 0.0549	0.0100	- 0.2197	0.0878	DESIRED

	TIME	MASS	FN			VN			ALTITUDE
AGC	[illegible]	+14073.93	- 1657392.9	+ 56[illegible]563.9	+ 52[illegible]05.9	+ 421.96	+1134.22	+ 845.88	+ 14502.43
ENV	[illegible]	+1432[illegible]	- 1657495.4	+ 560572.1	+ 52[illegible]8.7	+ 421.99	+1134.18	+ 845.89	+ 14507.13
ERR	[illegible]	[illegible]	1.4	3.1	2.7	0.03	0.04	0.01	4.69
AGC	IN [illegible]	+ 10.[illegible]	- 5437644.3	+ 1839120.7	+ 170623.2	+1384.40	+3721.21	+2775.20	+ 47580.17
ENV	AND [illegible]DOTS	+21575.[illegible]	- 5437645.2	+ 1839147.4	+ 170632.3	+1384.51	+3721.07	+2775.24	+ 47595.58

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PIPTIME: 3.975[illegible] 05 P63: BRAKQUAL TPIP: 3.97505280000 05

R AND RG				V AND VG		
1.76[illegible]87156249 6	-4.7321[illegible] 02	-3.20141187499 05	2.59048271179 02	-4.51755523681 -01	1.45359287261 03	
-1.50203745995 04	3.05[illegible]74995559 02	-3.23054499999 05	2.59869766235 02	-1.59454345703 00	1.45801048278 03	

	LANC		TTF	CG			AFC	
1.7[illegible]5[illegible]74[illegible] 06	-7.7874[illegible] 02	2.91337499999 03	-4.86250981445 02	1.00	0.00	0.00	4.72023151814	00
				0.00	1.00	0.00		
	TRANSIENT 0.298			0.00	0.00	1.00		

	UNFC			UNWC		
-3.91376[illegible]7587 -12	1.2171[illegible]22153 -03	-9.95072969146 -01	9.83132166311 -01	-2.70411371541 -04	-1.82896337967 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39750[illegible]38	14073.93	0	3435	3.0553	4.7202	3435	5301	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39756.63	63	6 [illegible]	47580	- 366	- 8 6	1746	48441	99 81	4842	99999	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.75[illegible]7.6	- 0.0439	56.0095	- 0.0119	0.0004	- 0.2631	- 0.0322	ACTUAL
	39750[illegible]2	0.0[illegible]4	56.9436	- 0.0549	0.0000	- 0.1208	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3975[illegible].279	+14045.5[illegible]	- 1656547.9	+ 562827.9	+ 53693.9	+ 422.82	+1128.65	+ 842.29	+ 14479.87
ENV	3975[illegible].279	+14237.[illegible]	- 1656557.6	+ 562834.9	+ 53696.9	+ 422.85	+1128.61	+ 842.30	+ 14484.53
ERR	[illegible].000	247.44	2.6	6.9	2.9	0.03	0.04	0.00	4.66
ACC	IN POUNDS	+3[illegible]5.4.90	- 5424866.7	+ 1846548.5	+ 176163.4	+1387.21	+3702.94	+2763.43	+ 47506.15
ENV	AND EFFECTS	+3151.42	- 5434877.4	+ 1846571.3	+ 176171.0	+1387.31	+3702.81	+2763.46	+ 47521.44

PIPTIME: 3.97507280000 C5 P63: BRAKQUAD TPIP: 3.97507280000 05

R AND VG			V AND VG		
1.7[illegible]38[illegible]7459 06	-4.7424[illegible] 02	-3.1723[illegible] C5	2.5527710914[illegible] 02	-4.5690[illegible]4990 -01	1.4480837821[illegible] 03
-1.4505[illegible] 04	3.2124[illegible] 02	-3.2014[illegible] C5	2.5[illegible]13[illegible] C2	-1.6004[illegible]7265 CC	1.4525028228[illegible] 03

LAND			TTF	CG			AFC
1.7[illegible]38[illegible]7459 06	-7.7[illegible]7459[illegible] C2	2.9[illegible]4499999999 C3	-4.8[illegible]03[illegible]83984 C2	1.00	0.00	0.00	4.72232466563 00
				0.00	1.00	0.00	
TRANSIENT	0.3C2			0.00	0.00	1.00	

UNFC				UNWC	
- 0.3874557152[illegible] -02	1.2762[illegible]743 -C3	-9.95583215352 -01	9.8343868[illegible]396 -01	-2.7094781[illegible]345 -04	-1.81240951737 -01

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7562.33	14145.5[illegible]	0	3428	3.0559	4.7223	3428	5292	0	4096	4096

	TIME	MO[illegible]	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMO
DISPLAYS:	975[illegible].61	63	6 63	47506	- 37[illegible]	- 8 3	1730	48241	99 81	4823	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7506[illegible]	- 0.439	95.7128	0.0000	0.0044	- 0.0808	0.0520	ACTUAL
	7505[illegible]	0.0[illegible]4	95.7238	- 0.0549	0.0000	- 0.1647	0.0769	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]	+14016.42	- 1655721.9 + 5650796.9 + 55375.9	+ 423.63 +1123.09 + 838.68	+ 14456.87
ENV	[illegible]	+14263.60	- 1655704.1 + 5650806.6 + 55377.9	+ 423.66 +1123.04 + 838.70	+ 14461.44
ERR	[illegible]	247.17	20.1 6.6 1.9	0.03 0.04 0.01	4.57
AGC	IN POUNDS	+20540.62	- 5432093.1 + 1853937.0 + 181679.7	+1389.86 +3684.68 +2751.59	+ 47430.69
ENV	AND FEETS	+31445.54	- 5432100.1 + 1853956.7 + 181686.1	+1389.96 +3684.53 +2751.64	+ 47445.69

TIPTIME: 3.97509280000 05 P63: BRAKQUAL TPIP: 3.97509280000 05

	R AND RC			V AND VG	
1.72165[illegible] 06	-4.751874[illegible] 02	-3.14348874999 05	2.51544952392 02	-4.72048786621 -01	1.44253926277 03
-1.35992[illegible] 04	2.58745[illegible] 02	-3.17244499999 05	2.52351379394 02	-1.01668870117 00	1.44695968627 03

	LANC		TTF	CG			AFC
1.75[illegible]	-7.73[illegible] 02	2.89562499999 03	-4.61359545898 02	1.00 0.00 0.00			4.72450163215 00
				0.00 1.00 0.00			
	TRANSIENT 0.301			0.00 0.00 1.00			

	UNFC			UNWC		
-8.06[illegible]	1.3727[illegible] -02	-9.96063656545 -01	9.83741166690 -01	-2.71484256475 -04	-1.79591879701 -01	

	TIME	MASS	EWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7510.[illegible]	14[illegible]	0	3432	3.0653	4.7245	3432	5284	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39751[illegible].61	63	6 63	47431	- 380	- 8 1	1715	48041	99 81	4804	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39751[illegible].28	- 0.329	99.4711	0.0329	0.0034	- 0.1448	0.0103	ACTUAL
	39751[illegible]	0.4164	99.5041	- 0.0549	0.0000	- 0.1977	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397511.279	+13987.34	- 1654856.0	+ 567319.9	+ 57049.9	+ 424.41	+1117.51	+ 835.08	+ 14433.43
ENV	397511.279	+14204.17	- 1654856.0	+ 567327.1	+ 57051.7	+ 424.44	+1117.47	+ 835.09	+ 14437.92
ERR	0.00	246.3	20	7.1	1.7	0.02	0.04	0.01	4.48
AGC	IN PROUNDS	+30836.49	- 5429311.0	+ 1861286.0	+ 187171.9	+1392.43	+3666.39	+2739.76	+ 47353.79
ENV	AND FEETS	+31380.66	- 5429317.6	+ 1861309.4	+ 187177.5	+1392.52	+3666.25	+2739.81	+ 47368.52

PIPTIME: 3.97511280000 05 PGZ: BRAKQUAD TPIP: 3.97511280000 05

R AND VG				V AND VG			
1.72229[illegible]249 06	-4.76149[illegible]9999 02	-3.11465374999 05	2.47831678390 02	-4.77218627929 -01	1.43697948455 03		
-1.34957459999 04	2.54999[illegible] 02	-3.14356174999 05	2.48639505151 02	-1.62239074707 00	1.44140090942 03		

LAND			TTF	CG			AFC
1.73509187499 06	-7.71624999999 02	2.88674999999 03	-4.78916499023 02	1.00	0.00	0.00	4.72765881568 00
				0.00	1.00	0.00	
TRANSIENT 0.294				0.00	0.00	1.00	

UNFC				UNWC			
-0.351[illegible] -02	1.43001600079 -03	-9.96505864272 -01	9.84039645081 -01	-2.72028144929 -04	-1.77949158215 -01		

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397512.42	13987.34	0	3431	3.0743	4.7275	3431	5276	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397512.61	63	6 6-	47354	- 387	- 7.58	1699	47841	99.81	4784	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397513.28	- 0.0[illegible]	59.2514	0.0329	0.0042	- 0.0814	0.0135	ACTUAL
	397512.[illegible]	0.0[illegible]4	95.2075	- 0.0549	0.0000	- 0.2307	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]9751[illegible].279	+13991.31	- 1654003.9	+ 5645459	+ 58715.9	+ 425.15	+1111.93	+ 831.46	+ 14409.56
ENV	[illegible]9751[illegible].279	+142[illegible]4.73	- 1654016.3	+ 5695560.5	+ 58718.3	+ 425.18	+1111.89	+ 831.48	+ 14413.97
ERR	[illegible]	24[illegible].42	2.3	6.5	2.3	0.03	0.06	0.01	4.40
AGC	IN POUNDS	+20772.49	- 5426522.3	+ 1867602.3	+ 192637.7	+1394.87	+3648.08	+2727.90	+ 47275.46
ENV	AND FEETS	+13315.79	- 5426530.0	+ 1868623.6	+ 192645.3	+1394.97	+3647.94	+2727.95	+ 47289.93

PIPTIME: 3.97513280000 05 P63: BRAKQUAD TPIP: 3.97513280000 05

R AND RG			V AND VG		
1.72[illegible]249 06	-4.77[illegible]999 02	-3.08[illegible]0999999 05	2.44147[illegible]96C87 02	-4.82368469238 -01	1.43139443397 03
-1.31[illegible]7[illegible]95 04	2.92124[illegible]99 02	-3.11478874999 05	2.44039422607 02	-1.62811279296 00	1.43581733703 03

LAND		TTF	CG			AFC
1.7[illegible]5[illegible]7[illegible] 02	-7.65245[illegible] 02	2.87787499999 03	-4.76475385742 02	1.00 0.00 0.00		4.72982E79728 00
				0.00 1.00 0.00		
TRANSIENT 0.299				0.00 0.00 1.00		

UNFC				UNWC		
-7.62[illegible]1 -02	1.43[illegible]7174763 -03	-9.96929346156 -01	9.84334152653 -01	-2.72564587010 -04	-1.76312794852 -01	

	TIME	MASS	EWEIGHT	FCCL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39751[illegible].33	13991.31	0	3435	3.0943	4.7298	3435	5268	0	4096	4096

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39751[illegible].61	63	6 63	47275	- 394	- 7 56	1683	47639	00 01	4763	99900	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39751[illegible].28	- 0.0219	94.8889	0.0878	0.0040	- 0.2284	0.0520	ACTUAL
	39751[illegible].28	1.4164	94.8449	- 0.0549	0.0000	- 0.1647	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39751[illegible].279	+13929.34	- 1653153.9	+ 571767.9	+ 6[illegible]373.9	+ 425.87	+1106.36	+ 827.85	+ 14385.31
ENV	39751[illegible].270	+14175.29	- 1653155.2	+ 571774.7	+ 60377.6	+ 425.90	+1106.31	+ 827.86	+ 14389.63
ERR	[illegible]	24.95	1.2	6.7	3.6	0.03	0.04	0.00	4.32
AGC	TK POUNDS	+3070[illegible].63	- 5423733.5	+ 1875879.2	+ 198077.4	+1397.23	+3629.79	+2716.06	+ 47195.90
ENV	ANG FCCTS	+3129[illegible].86	- 5423737.7	+ 1875901.2	+ 198089.4	+1397.33	+3629.64	+2716.09	+ 47210.09

TIPTIME: 3.97515280000 05 — PGS: BRAKQUAL — TPIP: 3.97515280000 05

R AND RG						V AND VG			
1.72336[illegible]6749	06	-4.77999399999	02	-3.05743812499	05	2.40492153167	02	-4.77504730224	-01	1.42580418586	03
-1.6[illegible]24[illegible]	04	2.[illegible]74[illegible]999	02	-3.08612749999	05	2.41276550292	02	-1.62391662597	00	1.43022804260	03

LAND				TTF		CG			AFC	
1.735[illegible]1[illegible]74[illegible]	06	-7.66674[illegible]999	02	2.88899999999	03	-4.74033793945	02	1.00 0.00 0.00	4.73313732072	00
								0.00 1.00 0.00		
TRANSIEIT 0.285								0.00 0.00 1.00		

UNFC						UNWC			
-7.[illegible]5341[illegible]	-02	1.50611[illegible]476	-03	-9.97312222312	-01	9.84624718564	-01	-2.73093578427 -04	-1.74682824030 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	39751[illegible].28	13929.34	0	3428	3.0843	4.7331	3428	5260	0	4096	4096

	TIME	MODE	VERBANOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMO
DISPLAYS:	39751[illegible].64	63	6 62	47196	- 402	- 7.54	1668	4743[illegible]	99.81	4744	99999	9999

	TPLTIME	C UX	COLY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7517.28	- 1.[illegible]19	94.6032	0.2087	0.0045	- 0.1310	0.0576	ACTUAL
	[illegible]7517.28	1.[illegible]064	94.6252	- 0.0549	0.0000	- 0.1977	0.0769	DESIRED

	TI	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+139[illegible].43	- 165[illegible]9.9	+ 573973.9	+ 62027[illegible]	+ 426.55	+1100.77	+ 824.23	+ 14360.56
ENV	3975[illegible]279	+141[illegible]5.05	- 1652[illegible]2.7	+ 573981.7	+ 62025.7	+ 426.57	+110[illegible].72	+ 824.24	+ 14364.80
ER[illegible]	[illegible]	24[illegible].42	2.7	7.7	1.7	0.02	0.06	0.01	4.24
AGC	IN FLIGHT	+[illegible]644[illegible]	- 5420[illegible]31.7	+ 1883116.7	+ 203503.9	+1399.44	+3611.46	+2704.17	+ 47114.70
ENV	ANI [illegible]OTS	+31185.55	- 5420940.8	+ 188[illegible]142.2	+ 203509.7	+1399.53	+3611.30	+2704.21	+ 47128.63

PIPTIME: 3.75172[illegible]00.00 05 P63: BRAKQUAL TPIP: 3.97517280000 05

	R AND RG			V AND VG		
	1.7238[illegible]6243 06	-4.7[illegible]3749[illegible]999 [illegible]2	-3.02897812459 05	2.36986[illegible]549630 02	-4.72640[illegible]91210 -01	1.42017869949 03
	-1.2045[illegible]7[illegible]3[illegible]5 04	2.85459[illegible]59999 02	-3.05757874999 05	2.37643C51147 02	-1.62[illegible]10192871 CC	1.42460403442 03

	LANC			TTF		CG			AFC	
	1.7458[illegible]187459 06	-7.644[illegible]99 02	2.86012499999 [illegible]	-4.71595986328 02		1.00	0.00	0.00	4.73564723506	00
						0.00	1.00	0.00		
	TRANSIENT [illegible].291					0.00	0.00	1.00		

	UNFC				UNWC		
-[illegible]1[illegible]7[illegible]4[illegible]5 -12	1.52473[illegible]4521 -02	-9.97671135203 -01	9.84911376823 -01	-2.73644920600 -04	-1.73059252631 -01		

	TIME	MASS	FWRIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THE TITLE:	9751[illegible].33	13935.43	0	3437	3.0393	4.7356	3437	5252	0	4096	4096

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	9751.61	63	6 63	47115	- 409	- 7.51	1652	47237	99.81	4724	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.75190	C[illegible]	94.3615	0.3196	0.0037	- 0.0917	0.0380	ACTUAL
	9751[illegible]	0.[illegible]64	94.3286	- 0.0549	0.0000	- 0.2307	0.0659	DESIRED

	TIME	MASS	EN			VN			ALTITUDE
AGC	397519.27	+13871.57	- 1651447.9	+ 576163.9	+ 63671.9	+ 427.18	+1095.17	+ 820.61	+ 14335.43
ENV	397519.279	+1411[illegible].41	- 1651448.5	+ 576177.6	+ 63674.6	+ 427.21	+1095.13	+ 820.63	+ 14339.55
ERR	[illegible]	244.83	0.9	7.6	2.6	0.03	0.04	0.01	4.11
AGC	IN PROJECTS	+31591.28	- 5418136.4	+ 1890321.5	+ 208897.6	+1401.52	+3593.08	+2692.30	+ 47032.27
ENV	ANI FECTS	+31121.03	- 541[illegible]139.6	+ 1890346.4	+ 208906.2	+1401.63	+3592.94	+2692.35	+ 47045.79

PIPTIME: 3.97519280000 05 P63: BRAKQUAD TPIP: 3.97519280000 05

R AND VG				V AND VG			
1.72431618749 06	-4.75874[illegible]9999 02	-3.00063124999 05	2.33268642425 02	-4.47750091552 -01	1.41452798843 03		
-1.15757[illegible] 04	2.02249[illegible] 02	-3.02914374999 05	2.34038543701 02	-1.59568786621 00	1.41895446777 03		

LAND		TTF		CG		AFC
3.73599187499 06	-7.62124999999 02	2.85124999999 03	-4.69160322265 02	1.00 0.00 0.00		4.73866937682 00
				0.00 1.00 0.00		
TRANSIENT 0,2,0				0.00 0.00 1.00		

UNFC				UNWC		
-4.31385344783 -02	1.46705[illegible]3177 -03	-9.98003633981 -01	9.85194154125 -01	-2.74181365978 -04	-1.71442128725 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397520.20	13871.57	0	3436	3.1043	4.7386	3436	5245	0	4096	4096

	TIME	MODE	VERBNOUN	R	RDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397520.44	63	6 63	47032	- 415	- 7.49	1637	47035	99.81	4705	99999	9999

	CPUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397521.28	[illegible]	93.9880	0.2856	- 0.0000	- 0.2356	- 0.0515	ACTUAL
	397521.2[illegible]	0.0[illegible]	93.9880	- 0.0549	0.0000	- 0.1757	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	3975[illegible].17[illegible]	+1384.75	- 1650591.9	+ 578355.9	+ 653C9.9	+ 427.79	+1089.58	+ 816.99	+ 14309.87
ENV	3975 1.279	+1403[illegible].96	- 1650593.9	+ 578362.2	+ 65312.2	+ 427.82	+1089.53	+ 817.01	+ 14313.87
ERR	[illegible]	244.16	1.9	6.2	2.2	0.02	0.04	0.01	4.00
ACC	IN POUNDS	+30517.81	- 5415528.0	+ 1897493.4	+ 214271.6	+1403.52	+3574.74	+2680.44	+ 46948.40
ENV	AND FOOTS	+31056.11	- 5415234.4	+ 1897514.0	+ 214279.1	+1403.61	+3574.57	+2680.48	+ 46961.53

PIPTIME: 3.975212[illegible]000 05 P63: BRAKQUAD TPIP: 3.97521280000 05

R AND DC				V AND VG			
1.12477[illegible]3743 06	-4.807[illegible]999999 02	-2.97235749999 05	2.297003746C3 02	-4.22859191894 -01	1.40887212753 03		
-1.11[illegible]74[illegible] 04	2.785[illegible]9999 02	-3.00062124999 05	2.30463C27954 02	-1.57165527343 00	1.41329994201 03		

LAND		TTF	CG	AFC
1.735[illegible]	-7.5974[illegible]999 02	2.84237439999 02	-4.66724174804 02	1.00 0.00 0.00	4.74219210445 00
				0.00 0.00 0.00	
TRANSLENT 0.232				0.00 0.00 1.00	

UNFC			UNWC		
-1.821[illegible]1475 -02	1.4[illegible]7[illegible] -02	-9.983C2804514 -01	9.85473C82533 -01	-2.74688005744 -04	-1.69831469838 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39752.219	[illegible]2.79	[illegible]	3429	3.1143	4.7421	3429	5238	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39752.043	63	6 63	46948	- 422	- 7 46	1621	46833	99 81	4684	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39752.028	[illegible]	93.7352	0.1E+7	0.0004	- 0.0952	- 0.0681	ACTUAL
	[illegible]	0.4[illegible]4	3.7683	- 0.0549	0.0000	- 0.2087	0.0219	DESIRED

	TIME	HAA		RN			VN			ALTITUDE
AGC	397523.70	+13814.	- 1649715.9	+ 5.0527e9	+ 6.6939e9	+ 428.35	+1083.98	+ 813.36	+	14283.93
ENV	397523.70	+14057.50	- 1749737.7	+ 580535.7	+ 66942.6	+ 428.38	+1083.93	+ 813.37	+	14287.84
ERR	[illegible]	24[illegible].44	1.7	7.7	2.6	0.03	0.05	0.01		3.90
AGC	IN POUNDS	+3[illegible]454.43	- 5412519.6	+ 1904619.4	+ 219619.4	+1405.35	+3556.38	+2668.50	+	46863.31
ENV	AND FEETS	+3[illegible]991.18	- 5412525.3	+ 1904644.8	+ 219628.2	+1405.46	+3556.21	+2668.56	+	46876.13

PIPTIME: 3.97523280000 05 PBI: PRAKQUAL TPIP: 3.97523280000 05

	R AND RD			V AND VG	
1.72525[illegible] 49 06	-4.15724[illegible]999 02	-2.944276874[illegible]99 05	2.26171207427 02	-4.07981872558 -03	1.40318112373 03
-1.[illegible]65[illegible] 4	2.7574[illegible] 02	-2.97261124[illegible]99 05	2.26926[illegible]3588 02	-1.55754089355 00	1.40760993957 03

	LAND		TTF	CG			AFC
1.735[illegible]91[illegible]7499 06	-7.57374[illegible]9999 02	2.83349999999 03	-4.64291308593 02	1.00	0.00	0.00	4.74415021017 00
	TRANSIEIT 0.285			0.00	0.00	1.00	

	UNFC			UNWC		
-5.[illegible]2444[illegible]65 -12	1.384[illegible] -03	-9.98580550352 -01	9.85748199326 -01	-2.75149940807 -04	-1.68227262405 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7524.19	1[illegible]814.06	0	3438	3.1192	4.7441	3438	5229	0	4096	4096

	TIME	MODE	VELBNCUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7524.43	63	0 63	46863	- 429	- 7.44	1606	46630	99.81	4665	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7525.2[illegible]	[illegible].4064	93.4606	0.0765	0.0004	- 0.1492	- 0.0464	ACTUAL
	[illegible]7525.2[illegible]		93.4497	- 0.0549	0.0000	- 0.2307	0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+1278[illegible]	- 1648877.6	+ 582691.9	+ 6856[illegible].9	+ 428.88	+1078.39	+ 809.71	+ 14257.49
ENV	[illegible]	+1402[illegible].4	- 1648880.3	+ 582693.0	+ 6856[illegible].7	+ 428.92	+1078.34	+ 809.72	+ 14261.34
ERR	[illegible]	242.68	2.3	6.3	3.7	0.03	0.04	0.01	3.84
ACC	IN FRONT	+3[illegible]91.27	- 5409704.7	+ 1911719.1	+ 2249[illegible].9	+1407.11	+3538.03	+2656.54	+ 46776.57
ENV	AND EDOT	+2[illegible]26.23	- 5409712.6	+ 1911738.9	+ 2249[illegible].3	+1407.22	+3537.88	+2656.58	+ 46789.18

PIPTIME: 3.97525[illegible] 05 P63: BRAKULAD TPIP: 3.97525280000 05

	R AND RC			V AND VG		
1.72541[illegible] 06	-4.82374[illegible] 02	-2.91626999999 05	2.22661113739 02	-3.93104553222 -01	1.39747500419 03	
-1.02[illegible] 04	2.72624[illegible] 02	-2.94451624999 05	2.23409271240 02	-1.54342653367 00	1.40190505981 03	

	LANC		TTF	CG			AFC	
1.75[illegible]187455 00	-7.54[illegible]999999 02	2.82462499999 03	-4.61859282226 02	1.00	0.00	0.00	4.74754022434	00
				0.00	1.00	0.00		
	TRANSIENT	0.27[illegible]		0.00	0.00	1.00		

	UNFC				UNWC		
-4.0[illegible] -02	1.06[illegible]37577 -03	-9.98827333488 -01	9.86019532702 -01	-2.75613326861 -04	-1.66629544689 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975260.19	[illegible]	0	3436	3.1242	4.7475	3436	5222	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3975260.44	63	6 63	46777	- 436	- 7.41	1591	46427	99.81	4644	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975260.28	0.1[illegible]9	3.0651	0.0649	0.0021	- 0.1814	0.0181	ACTUAL
	9.6527020	0.0[illegible]64	3.1091	- 0.0549	0.0000	- 0.1538	0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	395[illegible]	+13756.77	- 1646[illegible]9.9	+ 584841.9	+ 70177.9	+ 429.38	+1072.81	+ 806.05	+ 14230.68
ENV	397527.279	+13598.58	- 1648022.0	+ 584849.1	+ 70181.5	+ 429.42	+1072.76	+ 806.06	+ 14234.43
ERR	[illegible]	241.80	20	7.1	3.5	0.03	0.05	0.01	3.74
AGC	IN POUNDS	+[illegible]	- 5406885.7	+ 1918772.9	+ 2302427	+1408.74	+3519.73	+2644.52	+ 46688.60
ENV	AND FEETS	+[illegible]1.28	- 5406896.4	+ 1918796.3	+ 2302454.5	+1408.86	+3519.56	+2644.56	+ 46700.89

PIPTIME: [illegible] 05 PE3: ERRKQUAD TPIP: 3.97527280000 05

	R AND RG			V AND VG	
1.7261[illegible]574999 C6	-4.8318[illegible]99999 02	-2.8883774999999 05	2.1919002532 9 02	-3.9825439452 1 -01	1.39175376892 03
-9.7261[illegible] 0	2.6[illegible]74999[illegible]09 02	-2.9165349999999 06	2.1992103C273 C2	-1.5491455557 00	1.39618492126 03

	LAND		TTF		CG			AFC
[illegible] 06	-7.6262499999 C2	2.8157499999999 03	-4.5942F486328 02		1.00	0.00	0.00	4.74992673844 00
					0.00	1.00	0.00	
	TRANSIENT 0.276				0.00	0.00	1.00	

	UNFC			UNWC		
-4.35744[illegible]558 -03	1.4225[illegible]2796 -03	-9.99049171783 -01	9.86287110926 -01	-2.76088714983 -04	-1.65038354924 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39528.18	13756.77	0	3435	5.12C2	4.7499	3435	5214	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	APVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97528.43	63	6 63	46689	- 442	- 7 39	1576	46224	99 81	4622	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible] 29.2	0.219	92.8674	0.0219	0.0022	- 0.1078	- 0.0213	ACTUAL
	39752[illegible].29	0.4064	92.8894	- 0.0540	0.0000	- 0.1867	0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+1372[illegible]	- 16471[illegible]1.9	+ 5869[illegible]1.9	+ 7178[illegible]7.9	+ 429.84	+1067.23	+ 802.37	+ 14203.49
ENV	39752[illegible]	+1395.012	- 16471[illegible]2.7	+ 5869[illegible]9.1	+ 7179[illegible]0.0	+ 429.88	+1067.17	+ 802.39	+ 14207.13
ERR	[illegible]	24[illegible]	0.7	7.0	2.0	0.03	0.05	0.01	3.63
AGC	IN PLANE	+[illegible]	- 5404[illegible]7.0	+ 1925[illegible]2.9	+ 2355[illegible]4.9	+1410.25	+3501.42	+2632.47	+ 46599.40
ENV	ANGLE TO	+3[illegible]7[illegible].35	- 5404[illegible]7.02	+ 1925[illegible]7.01	+ 2355[illegible]3.06	+1410.36	+3501.23	+2632.51	+ 46611.33

PIPTIME: 3.97529280000 05 P63: BRAKQUAL TPIP: 3.97529280000 05

R AND RG			V AND VG		
1.72656[illegible]674 06	-4.8[illegible] 02	-2.86059999999 05	2.15748023986 02	-4.03404235839 -01	1.38600745201 03
-9.3311[illegible] 03	2.66[illegible] 02	-2.88866874999 05	2.16482162475 02	-1.55487066546 00	1.29043960571 03

LANC		TTF	CG			AFC
1.72[illegible]918749 03	-7.50249[illegible] 02	2.80687499999 03	-4.56899873046 02	1.00 0.00 0.00		4.75302338600 00
				0.00 1.00 0.00		
TRANSIENT 3.275				0.00 0.00 1.00		

UNFC				UNWC		
-[illegible]87776777[illegible] -02	1.47[illegible]26.2177 -03	-9.99246767111 -01	9.86550962708 -01	-2.76558102787 -04	-1.63453728912 -01	

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]0.19	1372[illegible]22	[illegible]	3433	3.1242	4.7530	3433	5206	0	4096	4096

	TIME	NCL	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39[illegible]0.43	03	6 [illegible]	46599	- 449	- 7.37	1561	4602C	99 81	4602	99999	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39[illegible]0.28	[illegible]7219	9.6367	0.0[illegible]	0.0036	- 0.0902	0.0087	ACTUAL
	39[illegible]0.28	[illegible]64	92.6696	- 0.0949	0.0000	- 0.1977	0.0219	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+136[illegible]0.72	- 1646301.9	+ 589111.9	+ 73367.9	+ 430.27	+1061.64	+ 798.69	+ 14175.93
ENV	397531.27	+139[illegible]0.65	- 1646302.5	589117.8	+ 73391.1	+ 430.31	+1061.50	+ 798.70	+ 14179.50
ERR	0.000	239.32	0.5	5.8	3.1	0.03	0.05	0.01	3.56
AGC	IN POUNDS	+[illegible]0202.41	- 5401253.2	+ 1932782.1	+ 240774.2	+1411.67	+3483.07	+2620.37	+ 46508.98
ENV	ANL FLCTS	+30731.36	- 5401255.0	+ 1932801.3	+ 240784.5	+1411.78	+3482.91	+2620.43	+ 46520.68

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PIPTIME: 3.97531[illegible] 05 P63: PRAKQUAD TPIP: 3.97531280000 05

R AND RG				V AND VG			
1.72698874[illegible] 06	-4.8[illegible]48124 [illegible] 02	-2.83293749999 05	2.12325096130 02	-4.08554077148 -01	1.38023595809 03		
-0.90[illegible] 03	[illegible].62[illegible] 02	-2.86091749959 05	2.13081986694 02	-1.56059265136 00	1.38486911315 03		

LAND			TTF	CG			AFC
1.73580[illegible].7493 06	-7.478749999999 02	2.79799999999 03	-4.54572880859 02	1.00	0.00	0.00	4.75638778880 00
				0.00	1.00	0.00	
TRANSIENT 0.273				0.00	0.00	1.00	

UNFC				UNWC		
-[illegible].40421816[illegible] -0[illegible]	1.54440[illegible]413 -03	-9.99419203680 -01	9.86811125301 -01	-2.77027488179 -04	-1.61875650534 -01	

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	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	-97532.19	13699.72	0	3437	3.1442	4.7563	3437	5199	0	4096	4096

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	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7532.44	63	6 63	46509	- 455	- 7.34	1546	45816	99.81	4581	99999	9999

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	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	-97533.28	0.329	92.3400	0.0329	0.0032	- 0.2147	0.0162	ACTUAL
	3[illegible]753[illegible].28	0.4064	92.3510	- 0.0549	0.0000	- 0.2307	0.0219	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+13671.29	- 1645439.9	+ 5912299.9	+ 7498109	+ 430.67	+1056.05	+ 795.00	+ 14147.93
ENV	[illegible]	+13910.1	- 1645441.5	+ 5912345.4	+ 7498409	+ 430.71	+1056.00	+ 795.02	+ 14151.41
ERR	[illegible]	23[illegible]	1.5	5.4	2.8	0.03	0.05	0.01	3.47
AGC	IN FOOT	+30159.74	- 5398425.1	+ 1939730.9	+ 2460039	+1412.99	+3464.74	+2608.27	+ 46417.11
ENV	AND BITS	+30666.38	- 5398430.1	+ 1939748.8	+ 2460139	+1413.11	+3464.57	+2608.33	+ 46428.51

PIPTIME: 3.97533280000 05 PEG: BRAKQUAD TPIP: 3.97533280000 05

	R AND G			V AND VG		
1.7[illegible] 06	-4.85[illegible] 02	-2.80539762499 05	2.08931303024 02	-4.13703918457 -01	1.37444944381 03	
-1.48[illegible] 03	2.59[illegible] 02	-2.83329124999 05	2.09651184082 02	-1.56669616699 00	1.37888374328 03	

	LANC		TTF	CG			AFC
1.7[illegible] 06	-7.454[illegible] 02	2.78912499999 03	-4.52147329101 02	1.00	0.00	0.00	4.75840177386 00
				0.00	1.00	0.00	
	TRANSLAT 0.275			0.00	0.00	1.00	

	LNFC			UNWC		
-2.92440[illegible] 1075 -02	1.60261961327 -03	-9.95957099333 -01	9.67067624462 -01	-2.77496872107 -04	-1.60304172541 -01	

	TIME	MASS	FWEIGHT	FCOLO	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	13671.[illegible]	0	3435	3.1492	4.7584	3435	5191	0	4096	4096

	TIME	NOUN	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THROMO
DISPLAYS:	[illegible]	63	6 63	46417	- 462	- 7.32	1531	45611	99.81	4562	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	[illegible]	91.8896	0.0549	0.0036	- 0.1765	0.0001	ACTUAL
	[illegible]	[illegible]	92.0104	- 0.0549	0.0000	- 0.1538	0.0329	DESIRED

	TIME	MASS		RN				VN				ALTITUDE
AGC	397[illegible]0.279	+13642.92	-	1644577.9	+	593335.9	+	76567.9	+ 431.03	+1050.47	+ 791.30	+ 14119.56
ENV	397[illegible]0.79	+1388.70	-	1644576.7	+	593341.8	+	76571.2	+ 431.07	+1050.41	+ 791.32	+ 14122.92
ERR	[illegible]	237.78		1.7		5.8		3.2	0.03	0.05	0.01	3.36
AGC	IN POUNDS	+20077.15	-	5395597.1	+	1946640.4	+	251207.3	+1414.16	+3446.43	+2596.15	+ 46324.02
ENV	AND FEETS	+[illegible]1.4	-	5395602.7	+	1946653.6	+	251217.9	+1414.27	+3446.25	+2596.21	+ 46335.06

PIPTIME: 3.97552500000 05 P63: BRAKQUAD TPIP: 3.97535280000 05

		R AND VG						V AND VG					
1.72782469999	06	-4.56437[illegible]999	02	-2.77795937499	05	2.05576562881	02	-4.18853759765	-01	1.36864790916	03		
-[illegible]		2.56624[illegible]99		-2.86576124999	05	2.62892[illegible]1381	02	-1.57241821289	00	1.37308349609	03		
		LAND				TTF		CG				AFC	
1.7[illegible]74		-7.431245[illegible]999	02	2.78024999999	03	-4.49722651367	02	1.00	0.00	0.00		4.76185465231	00
								0.00	1.00	0.00			
		TRANSIENT 0.264						0.00	0.00	1.00			
		UNFC						UNWC					
-2.463[illegible]	-02	1.06[illegible]37	-03	-9.99695114444	-01	9.87320495421	-01	-2.77966256190	-04	-1.58739269578	-01		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	357536.19	13642.92	0	3433	3.1542	4.7613	3433	5184	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97536.43	63	6 63	46324	- 468	- 7 29	1516	45406	99 81	4542	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97537.28	[illegible].439	91.7248	0.0588	0.0057	- 0.0294	0.0454	ACTUAL
	97537.28	[illegible].064	91.7907	- 0.0549	0.0000	- 0.1757	0.0439	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	297537.279	+13611.77	- 1643715.9 + 595429.9 + 78147.9	+ 431.34 +1044.88 + 787.60	+ 14090.74
ENV	3975 7.7-	+13851.22	- 1643717.2 + 595437.1 + 78150.1	+ 431.38 +1044.82 + 787.62	+ 14094.08
ERR	C.000	237.44	1.2 7.1 2.1	0.04 0.05 0.01	3.33
AGC	IN FEET	+33012.[illegible]	- 5392759.0 + 1953513.4 + 2563591.0	+1415.17 +3428.08 +2584.01	+ 46229.49
ENV	AND FEET	+33536.91	- 5392773.1 + 1953533.8	+1415.31 +3427.91 +2584.08	+ 46240.43

PIPTIME: 3.97537[illegible]0000 05 P63: BRAKQUAD TPIP: 3.97537280000 05

	R AND RC			V AND VG	
1.7292[illegible]1244 06	-4.87[illegible] 49 02	-2.75064493999 02	2.02260523385 02	-4.13990020751 -01	1.36291132698 03
-7.6556[illegible] 03	2.53499-59469 02	-2.77835-74993 05	2.02946690063 02	-1.56822204589 00	1.36724777221 03

	LAND		TTF	CG			AFC
7.5851[illegible]7349 06	-7.4074933[illegible]739 02	2.77137492959 03	-4.47301176757 02	1.00	0.00	0.00	4.76483954116 00
				0.00	0.00	0.00	
	TRANSIEIT	1.2[illegible]		0.00	0.00	1.00	

	UNFC			UNWC		
-2.[illegible] -02	1.589[illegible]4 -03	-9.99797755880 -01	9.87565762780 -01	-2.78435647071 -04	-1.57181061569 -01	

	TIME	MASS	ENGINE HT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975[illegible]	13611.77	0	3442	3.1692	4.7648	3442	5176	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	75.43	63	6 61	45229	- 473	- 7 27	1501	45201	99 81	4521	99999	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	75.26	0.545	91.5380	0.1647	0.0042	- 0.1230	0.0285	ACTUAL
	7539.2	0.4064	91.5710	- 0.549	0.0000	- 0.1757	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39754[illegible].279	+13594.69	- 1642853.9	+ 597515.9	+ 79717.9	+ 431.64	+1039.28	+ 783.90	+ 14061.68
ENV	39754[illegible].279	+13921.74	- 1642854.1	+ 597521.1	+ 79721.7	+ 431.68	+1039.23	+ 783.92	+ 14064.93
ERR	[illegible].00	237.05	0.1	5.1	3.7	0.03	0.05	0.02	3.24
AGC	IN POUNDS	+79945.81	- 538554.9	+ 196054.3	+ 261541.9	+1416.15	+3409.74	+2571.87	+ 46134.14
ENV	AND FEETS	+80471.41	- 538941.4	+ 196371.2	+ 261554.2	+1416.28	+3409.56	+2571.94	+ 46144.78

PIPTIME: 3.97539280000 CS PEG: BRAKQUAL TPIP: 3.97539280000 05

R AND RG

1.72863349999	C6	-4.08[illegible]2[illegible]9999	02	-2.72344687499	05	1.99954391479	02
-1.2[illegible]5174[illegible]99	03	[illegible]2.502499[illegible]	02	-2.75107124399	05	1.99653244018	02

V AND VG

-4.09126281738	-01	1.35696978569	03
-1.56402587890	00	1.36140747070	03

LAND		TTF		CG				AFC					
1.735[illegible]7499	05	-7.2[illegible]3745[illegible]999	02	2.76249999999	03	-4.44879409179	02	1.00	0.00	0.00	4.76719113066	00	
								0.00	1.00	0.00			
TRANSIENT		0.264						0.00	0.00	1.00			
UNFC								UNWC					
-1.543[illegible]421813	-02	1.71331378012	-03	-9.99879447953	-01	9.87815465000	-01	-2.78897580109	-04	-1.55629461610	-01		

	TIME	MASS	WEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIPSET	REG55
THROTTLE:	39754[illegible]0.19	13594.69	0	3435	3.1592	4.7671	3435	5167	0	4096	4096

	TIME	MODE	VERBNOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39754[illegible]0.43	63	6 63	46134	- 480	- 7 24	1486	44995	99 81	4499	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39754[illegible]0.23	1.0549	91.2562	0.1428	0.0019	- 0.1578	- 0.0295	ACTUAL
	39754[illegible]0.28	1.4064	91.3515	- 0.0549	0.0000	- 0.1977	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39754[illegible].279	+13555.66	- 1641585.9	+ 599587.9	+ 812819	+ 431.90	+1033.69	+ 780.20	+ 14032.18
ENV	39754[illegible].79	+1377[illegible].25	- 1641990.5	+ 599594.0	+ 812858	+ 431.94	+1033.63	+ 780.22	+ 14035.32
ERR	[illegible].70	236.59	0.5	6.0	3.8	0.03	0.05	0.01	3.14
AGC	TK PLUMES	+23984.81	- 5[illegible]371[illegible]6.2	+ 1967152.2	+ 266673.2	+1417.01	+3391.38	+2559.74	+ 46037.36
ENV	AN[illegible] PLUMES	+20406.41	- 53871[illegible]6.0	+ 1967172.0	+ 266685.9	+1417.14	+3391.19	+2559.78	+ 46047.66

PIPTIME: 3.97541[illegible] 05 P63: BRAKQUAD TPIP: 3.97541280000 05

	R AND RG			V AND VG		
[illegible]	-4.[illegible]74[illegible] 05	-2.69636624999 05	1.95676946640 02	-3.94248962402 -01	1.35111331939 03
-[illegible]	[illegible].471[illegible] 02	-2.723[illegible]0249969 05	1.96348789672 02	-1.54953002929 00	1.35555191040 03

	LANC		TTF	CG		AFC
[illegible]	-7.35[illegible]99 [illegible]	2.75362499959 03	-4.42458916015 02	1.00 0.00 0.00		4.77073481306 00
				0.00 1.00 0.00		
	TRANSIENT 0.258			0.00 0.00 1.00		

	UNFC			UNWC		
-1.0[illegible]	1.0[illegible]27 -0[illegible]	-9.99938919061 -0[illegible]	9.88057625715 -01	-2.79374419910 -04	-1.54084555405 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39754[illegible].19	13555.[illegible]	0	3433	3.1742	4.7707	3433	5160	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39754[illegible]	[illegible]	6 63	46037	- 486	- 7 22	1471	44790	99 81	4479	99999	9999

	CLOCTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7542[illegible].28	0.065	91.0327	0.0988	0.0015	- 0.1402	- 0.0311	ACTUAL
	97543[illegible]	0.4[illegible]4	91.1315	- 0.0549	0.0000	- 0.2[illegible]87	0.0219	DESIRED

	TIME	MASS	HN			VN			ALTITUDE
AGC	397543.279	+13[illegible].73	- 1641126.9	+ 601549.9	+ 82839.9	+ 432.13	+1028.09	+ 776.48	+ 14002.31
ENV	397543.279	+137[illegible].76	- 1641126.4	+ 601655.7	+ 82842.6	+ 432.17	+1028.03	+ 776.50	+ 14005.33
ERR	0.00	236.06	0.4	5.7	2.6	0.03	0.05	0.01	3.02
ACC	IN POUNDS	+[illegible]	- 5384271.6	+ 1973917.3	+ 271784.7	+1417.78	+3372.99	+2547.53	+ 45939.34
ENV	AND DEGS	+[illegible]	- 5384272.9	+ 1973936.[illegible]	+ 271793.3	+1417.90	+3372.81	+2547.59	+ 45949.27

PIPTIME: 3.97543280000 05 P63: BRAKQUAD TPIP: 3.97543280000 05

	R AND VG			V AND VG	
	1.72941[illegible] 4[illegible] 06	-4.[illegible]9887[illegible]9999 02	-2.66540312499 05	1.92418670654 02	-3.89385223388 -01	1.34522190093 03
	-0.475[illegible] 05	[illegible].6487[illegible]9999 02	-2.69684999999 05	1.93103408813 02	-1.54533386230 00	1.34966163635 03

	LAND		TTF	CG		AFC
1.73[illegible]7499 06	-7.33624[illegible] 02	2.74474999999 03	-4.40041464843 02	1.00 0.00 0.00		4.77373600006 00
				0.00 1.00 0.00		
	TRANSIENT 0.262			0.00 0.00 1.00		

	UNFC			UNWC		
-1.3463[illegible] -04	1.71[illegible] -03	-9.99978888927 -01	9.88296279711 -01	-2.79836355065 -04	-1.52546337878 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397544.19	13[illegible].70	0	3442	3.1892	4.7737	3442	5152	0	4096	4096

	TIME	MOD	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FDRVEL	DELTAH	THRCMO
DISPLAYS:	397544.41	63	6 63	45939	- 492	- 7 20	1457	44583	99 91	4458	99999	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7545.28	0.0655	90.7470	0.0655	0.0017	- 0.1701	- 0.0006	ACTUAL
	7545.28	[illegible].64	90.8129	- 0.0549	0.0000	- 0.2307	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3975[illegible]0.279	+13497.9[illegible]	- 1640261.9	+ 6036990.9	+ 843870.9	+ 432.34	+1022.48	+ 772.76	+ 13972.06
ENV	3975[illegible]0.79	+13733.27	- 1640261.8	+ 6037060.1	+ 843910.9	+ 432.37	+1022.43	+ 772.78	+ 13974.96
ERR	[illegible]	235.46	0.1	69.1	39.9	0.03	0.04	0.01	2.90
AGC	IN POUNDS	+29757.2[illegible]	- 5381437.0	+ 19[illegible]643.3	+ 2768635	+1418.43	+3354.61	+2535.30	+ 45840.10
ENV	AND FEETS	+30276.37	- 5381436.4	+ 1980663.3	+ 2768763	+1418.56	+3354.45	+2535.36	+ 45849.62

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                                  ||||||||||||||
   RIPTIME:      3.97545280000  05   P63:  BRAKQUAD                    TPIP:      3.97545280000  05
                                  ||||||||||||||

                  R AND RG                                                    V AND VG
 1.72975787749  06  -4.9[illegible]  2  -.06425574999  05  1.89189577102  02  -3.84521484375 -01  1.33931555747  03
-[illegible]  03  2.40769[illegible]  02  -2.66991624999  05  1.99867401123  02  -1.54113769531  00  1.34375610351  03

                  LANC                          TTF                          CG                          AFC
 1.73589187[illegible]  02  -7.31249[illegible]  02  2.73587499999  03  -4.37625107421  02  1.00  0.00  0.00  4.77713299915  00
                                                                                          0.00  1.00  0.00
                                                                                          0.00  0.00  1.00
                  TRANSIENT  0.256

                  LNFC                                                        UNWC
-1.07[illegible]  -03  1.74[illegible]  -03  -9.99996726405 -01  9.88531489371 -01  -2.80275937797 -04  -1.51014818071 -01
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	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	3975[illegible]0.1[illegible]	13437.[illegible]	0	3440	3.1942	4.7771	3440	5145	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3975[illegible]46.43	63	6 62	45840	- 499	- 7 17	1442	44377	99 81	4438	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975[illegible]8	[illegible]6ES	90.3295	0.0219	0.0001	- 0.2246	- 0.0379	ACTUAL
	3975[illegible]	0.4064	90.4724	- 0.0549	0.0000	- 0.1538	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397547.279	+13466.[illegible]	- 1639295.9	+ 605739.9	+ 859269.9	+ 432.49	+1016.90	+ 769.02	+ 13941.49
ENV	397547.279	+13707.77	- 1639396.9	+ 605745.4	+ 859337.7	+ 432.53	+1016.84	+ 769.04	+ 13944.27
ERR	0.00	236.89	0.9	5.4	3.7	0.04	0.05	0.02	2.77
AGC	IN FEETS	+29693.[illegible]	- 5378595.8	+ 1987335.9	+ 2819226.5	+1418.93	+3336.29	+2523.04	+ 45739.82
ENV	AND FEETS	+39211.34	- 5378598.8	+ 1987353.9	+ 2819348.8	+1419.07	+3336.11	+2523.11	+ 45748.94

PIPTIME : 3.97547280000 05

P63: BRAKQUAD

TPIP: 3.97547280000 05

R AND RG			V AND VG		
1.73017[illegible]6249 06	-4.9111749[illegible]999 02	-2.61583062499 [illegible]5	1.86909693145 02	-3.89671325683 -01	1.33339433670 03
-5.71887[illegible] 3	2.7624[illegible] 2	- .64309599369 05	1.86680603027 02	-1.54685974121 00	1.33783569335 03

LAND			TTF		CG			AFC
1.73[illegible] 06	-7.28874999999 02	2.72699999999 03	-4.35209458007 02		1.00	0.00	0.00	4.78023895993 00
					0.00	1.00	0.00	
TRANSIENT 0.252					0.00	0.00	1.00	

UNFC				UNWC		
[illegible]27270[illegible] -03	1.00[illegible]144 -03	-9.99995181542 -01	9.88763185595 -01	-2.80708073090 -04	-1.49490079986 -01	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397549.38	13458.98	0	3438	3.1992	4.7802	3438	5137	0	4096	4096

	TIME	MODE	VERBACTN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97548.61	63	6 65	45740	- 5[illegible]5	- 7.15	1427	44170	99.81	4415	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	397549.28	[illegible].769	90.0655	0.0070	0.0024	- 0.0620	- 0.0051	ACTUAL
	[illegible]7549.2[illegible]	[illegible].4264	90.2526	- 0.0549	0.0000	- 0.1428	0.0329	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	397549.[illegible]	+1344.[illegible]	- 1[illegible]	+ 607767.9	+ 874[illegible]	+ 432.60	+1011.31	+ 765.27	+ 13910.49
ENV	[illegible]	+13674.7	- 1[illegible]3531.7	+ 6[illegible]7773.5	+ 874668.0	+ 432.64	+1011.26	+ 765.29	+ 13913.18
ERR	[illegible]	23[illegible].0	0.2	5.5	4.0	0.14	0.05	0.02	2.68
AGC	IN FEUNDS	+[illegible].23	- 5375761.1	+ 199[illegible].5	+ 286955.2	+1419.31	+3317.56	+2510.75	+ 45638.12
ENV	[illegible]NL FOOTS	+[illegible]146.3[illegible]	- 5375760.2	+ 199[illegible]07.7	+ 286968.7	+1419.44	+3317.78	+2510.82	+ 45646.93

PIPTIME: .975492[illegible]0000 05 P63: BRAKQUAL TPIP: 3.975492[illegible]0000 05

R AND VG			V AND VG		
1.7[illegible]941[illegible]749 06	-4.91[illegible]99[illegible]99 2	-2.589221[illegible]7499 05	1.828588[illegible]6255 02	-3.94921166992 -01	1.32744822502 03
-5.[illegible]4[illegible]9[illegible]9 03	2.[illegible]44999[illegible]9999 02	-2.6164024[illegible]9999 05	1.83523178100 02	-1.55296325683 00	1.33149086914 03

LANE		TTF	CG			AFC
6.[illegible]8891[illegible]749 06	-7.264999999999 02	2.71812499999 03	-4.32795908203 02	1.00 0.00 0.00		4.78222500532 00
				0.00 1.00 0.00		
TRANSIENT 0.249				0.00 0.00 1.00		

UNFC			UNWC		
6.6839944[illegible] 4 -03	1.0724119[illegible]2617 -[illegible]3	-0.99974552023 -01	9.68991502548 -01	-2.81177460053 -04	-1.47972054203 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397550.2[illegible]	1344.1[illegible]	0	3441	3.2092	4.7822	3441	5128	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	97550.61	3	6 63	45638	- 510	- 7 12	1413	43962	99 81	4394	9999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7551.28	0.769	89.9670	- 0.0439	0.0021	- 0.0718	- 0.0258	ACTUAL
	97551.28	0.0364	90.0329	- 0.0549	0.0000	- 0.1428	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39755[illegible]	+13411.46	- 1637665.9	+ 609785.9	+ 68991.9	+ 432.70	+1005.73	+ 761.51	+ 13879.12
ENV	39755[illegible]	+13644.76	- 1637666.3	+ 609790.5	+ 88894.9	+ 432.73	+1005.67	+ 761.54	+ 13881.75
ERR	[illegible]	[illegible]	[illegible]	4.5	2.9	0.03	0.05	0.02	2.62
AGC	IN POUNDS	+29566.92	- 5372915.9	+ 2000681.2	+ 291968.5	+1419.62	+3299.63	+2498.41	+ 45535.18
ENV	AND FEETS	+30[illegible].25	- 5372921.0	+ 2000625.0	+ 291978.0	+1419.74	+3299.44	+2498.50	+ 45543.80

PIPTIME: 3.97551280000 05 PEG: BRAKQUAD TPIP: 3.97551280000 05

	R AND RG			V AND VG	
1.73095[illegible] 06	-4.92812[illegible] 02	-2.56273249999 05	1.79727268218 02	-4.09984588623 -01	1.32148723602 03
-4.9[illegible] 03	2.1[illegible] 02	-1.58982499999 05	1.80384826660 02	-1.56860351562 00	1.32593[illegible]76613 03

	LAND		TTF	CG			AFC
4.73[illegible] 06	-7.2412[illegible] 02	2.70924999999 03	-4.30383872070 02	1.00	0.00	0.00	4.78553352877 00
				0.00	1.00	0.00	
	TRANSIENT 0.248			0.00	0.00	1.00	

	UNFC				UNBC		
1.12268[illegible] -02	1.98321[illegible]4387 -03	-9.99935013374 -01	9.89216430316 -01	-2.81639394550 -04	-1.46460829816 -01		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7552.32	13411.46	0	3439	3.2142	4.7855	3439	5121	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397552.6[illegible]	6[illegible]	6 63	45535	- 516	- 7 10	1399	48755	99 81	4374	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397552.28	0.[illegible]78	89.7473	- 0.1318	0.0014	- 0.1047	- 0.0583	ACTUAL
	397553.28	0.4064	89.8132	- 0.0549	0.0000	- 0.1538	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	2975[illegible]279	+133[illegible]81	- 1636[illegible]	+ 611789.9	+ 90509.9	+ 432.77	+1000.14	+ 757.74	+ 13847.43
ENV	1675[illegible] 76	+1[illegible]615.2[illegible]	- 1636[illegible]07	611798.2	90514.2	+ 432.90	+1000.08	+ 757.77	+ 13849.95
EPH	[illegible]	2[illegible]	6.7	6.2	4.2	0.03	0.06	0.02	2.51
AGC	IN POUNDS	+295[illegible]2.76	- 527[illegible]07	+ 200[illegible]195.0	+ 29694[illegible]	+1419.84	+3281.31	+2486.05	+ 45431.22
ENV	AN[illegible] POUNDS	+[illegible]16.19	- 527[illegible]	+ 2[illegible]72[illegible]5	296962.7	+1419.97	+3281.11	+2486.12	+ 45439.47

P63: BRAKQUAD

FIRTIME: 0.97553230000 05 TPIP: 0.97553280000 05

R AND VG				V AND VG		
0.73126[illegible]1249 06	-0.93614[illegible]999 02	-2.53636249999 05	1.76614856719 02	-4.25148010253 -01	1.31551132202 03	
-4.63112[illegible] 03	2.28124[illegible]999 02	-2.56336624999 05	1.77265548706 02	-1.58424377441 00	1.31995544433 03	

LANE		TTF	CG		AFC
[illegible] 06	-7.21749999999 02	2.70037499999 03	-4.27972358398 02	1.00 0.00 0.00	4.78873262181 00
				0.00 1.00 0.00	
TRANSIENT 0.245				0.00 0.00 1.00	

LNFC			UNWC		
[illegible] -02	2.09[illegible]9019 -[illegible]	-9.99877413478 -01	9.89436001973 -01	-2.82116233499 -04	-1.44956409518 -01

	TIME	MASS	FREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975554.32	13182.81	0	3437	3.2192	4.7887	3437	5113	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3975554.61	63	6 63	45431	- 522	- 7 8	1384	42547	99 81	4353	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975554.28	0.[illegible]78	89.5455	- 0.2636	0.0023	- 0.1138	- 0.0348	ACTUAL
	3975554.[illegible]	0.4164	0.5935	- 0.0549	0.0000	- 0.1647	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397[illegible].279	+13359.22	- 1[illegible]	+ 613785.9	+ 92021.0	+ 432.80	+ 994.55	+ 753.56	+ 13815.37
ENV	397556.279	+13359.74	- 1625935.1	+ 613790.8	+ 92026.0	+ 432.84	+ 994.49	+ 753.98	+ 13817.84
ERR	.000	21.51	1.1	4.8	4.0	0.04	0.06	0.01	2.46
AGC	IN POUNDS	+29640.72	- 5367237.5	+ 2013733.5	+ 301909.4	+1419.96	+3262.98	+2473.64	+ 45326.03
ENV	AN FORCES	+29951.13	- 5367241.2	+ 2013749.4	+ 301922.5	+1420.11	+3262.78	+2473.70	+ 45334.12

PIPTIME: [illegible] C5 P63: BRAKQUAD TPIP: 3.97555280000 05

	R AND G			V AND VG	
1.731610 74 C6	- [illegible] 02	-2.510112499 99 05	1.73531675338 02	-4.50229644775 -01	1.30551061248 03
-[illegible]	2.2417499 99 02	-2.537027499 99 05	1.74175643520 02	-1.61018371582 00	1.31395568847 03

	LAND		TTF	CG		AFC
1.73[illegible] 06	-7.19374999999 02	2.65149999999 03	-4.25563374023 02	1.00 0.00 0.00		4.79205045849 00
	TR NSIENT 0.246			0.00 0.00 1.00		

	UNFC			UNWC		
1.380 [illegible].711 -02	[illegible] 42 -02	-9.39801238367 -01	9.89656247871 -01	-2.82615423394 -04	-1.43458813526 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397556.33	13354.22	0	3441	3.2292	4.7920	3441	5106	0	4096	4096

	TIME	MODE	VERBACTN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397556.61	63	6 63	45326	- 528	- 7 5	1370	43338	99 81	4333	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7557.0	1.[illegible]978	89.2566	- 0.1977	0.0060	- 0.1278	0.0968	ACTUAL
	[illegible]7557.2	0.4044	89.3737	- 0.0549	0.0000	- 0.1757	0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397557.73	+13385.69	- 1635069.4	+ 615774.9	+ 93525.9	+ 432.81	+ 998.97	+ 750.16	+ 13782.99
ENV	397570.276	+13356.27	- 1635069.4	+ 615774.2	+ 93530.1	+ 432.86	+ 998.91	+ 750.18	+ 13785.28
ERR	0.00	230.53	0.5	4.2	4.1	0.04	0.06	0.01	2.28
AGC	IN FEDUCTS	+2377.82	- 5364402.8	+ 2020242.7	+ 306842.8	+1420.00	+3244.67	+2461.17	+ 45219.81
ENV	AN[illegible] FEDUTS	+2386.06	- 5364400.5	+ 2020256.7	+ 306857.5	+1420.15	+3244.46	+2461.23	+ 45227.31

FIRTIME: 0.97557700000 05 P63: BRAKQUAD TPIP: 0.97557280000 05

	R AND RG			V AND VG		
0.71564[illegible]74 06	-6.[illegible]54 7[illegible]999 02	-2.48308249999 05	1.70467615127 02	-4.85277175903 -01	1.30349512100 03	
-0.5[illegible]6555[illegible]99 03	2.214559[illegible]999 02	-2.51080874999 05	1.71104812622 02	-1.64566060035 00	1.30794105529 03	

	LANE		TTF	CG			AFC	
1.73565[illegible]7499 04	-7.16995[illegible]999 02	2.68262409999 03	-4.23154921874 02	1.00	0.00	0.00	4.79520298540 00	
				0.00	1.00	0.00		
	TRANSIENT 0.243			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible]4051[illegible]113782 -02	2.43[illegible]5239635 -03	-9.99767738219 -01	9.89871195162 -01	-2.83159314230 -04	-1.41966055880 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397558.33	13[illegible]25.69	0	3439	3.2342	4.7552	3435	5098	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397558.60	[illegible]	6 63	45220	- 534	- 7 3	1356	43125	99 81	4311	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397559.28	0.0[illegible]	89.0332	0.[illegible]659	0.0052	- 0.1270	0.0565	ACTUAL
	397559.28	0.4064	89.1540	0.[illegible]219	0.0000	- 0.1867	0.1208	DESIRED

	TIME	MASS	LN			VN			ALTITUDE
AGC	39755.279	+13256.22	- 16142039	+ 617741.9	+ 95023.9	+ 432.80	+ 983.28	+ 746.36	+ 13750.12
ENV	39755.279	+13526.07	- 16142037	+ 617746.4	+ 95026.7	+ 432.83	+ 983.32	+ 746.38	+ 13752.34
ERR	0.000	22.43	0.2	4.4	2.7	0.03	0.06	0.02	2.22
ACC	IN POUNDS	+2[illegible]15.05	- 5361561.6	+ 2026712.5	+ 311758.5	+1419.94	+3226.32	+2448.70	+ 45111.95
ENV	AND FEETS	+2[illegible]82.94	- 5361560.7	+ 2026727.3	+ 311767.5	+1420.07	+3226.11	+2448.78	+ 45119.25

PIPTIME: 3.97559280000 05 PEG: BRAKQUAD TPIP: 3.97559280000 05

R AND RG			V AND VG		
1.73225281249 06	-4.56427[illegible] 02	-2.45797312499 05	1.67422771453 02	-5.10263442993 -01	1.25745483398 03
-4.65951[illegible] 09	[illegible].18124[illegible] 02	-2.48471124999 05	1.68053436279 02	-1.67121887207 00	1.30120162658 03

LANC	TTF	CG	AFC
1.73[illegible]	-7.14624[illegible] 02	2.67376999999 03	-4.20274903885 02	1.00 0.00 0.00	4.79846028611 00
				0.00 1.00 0.00	
				0.00 0.00 1.00	

TRANSIENT 0.245

UNFC			UNWC		
0.83365452615 -02	2.60176148709 -03	-9.99595053530 -01	9.90082884230 -01	-2.83733010832 -04	-1.40484169393 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TPIPTIME:	39756.52	13256.22	0	3442	3.2442	4.7984	3442	5051	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39756.60	63	6 62	65112	- 541	- 7 0	1342	42920	99 81	4289	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39561.2	0.1098	88.7915	0.0769	0.0058	- 0.1137	0.0761	ACTUAL
	39561.28	0.4[illegible]64	88.9343	0.1047	0.0000	- 0.2087	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3975[illegible] 27[illegible]	+13267.99	- 1633337.5	+ 619701.9	+ 9651[illegible].9	+ 432.73	+ 977.78	+ 742.67	+ 13716.93
ENV	3975[illegible]1.27[illegible]	+134 7.1[illegible]	- 1633338.0	+ 6197007.5	+ 9651[illegible].7	+ 432.78	+ 977.72	+ 742.55	+ 13719.03
ERR	0.0 0	22.18	0.0	5.5	3.7	0.04	0.06	0.02	2.09
AGC	IN FEDERAL S	+2[illegible]25[illegible].63	- 5358720.4	+ 2033143.0	+ 3166[illegible]0.4	+1419.74	+3207.55	+2436.27	+ 45003.07
ENV	ANE RE TS	+2[illegible]75[illegible].69	- 5358720.7	+ 2033161.1	+ 3166[illegible]2.6	+1419.88	+3207.74	+2436.34	+ 45009.96

PIPTIME: 3.97561[illegible] 05 P63: BRAKQUAD TPIP: 3.97561280000 05

	R AND RC				V AND VG		
	1.732[illegible]2499 0[illegible]	-4.0[illegible]74374[illegible]9994 02	-2.432084[illegible]7499 05	1.66417171478 02	-5.15317916870 -01	1.2913[illegible]81269 03
	-1.0267245[illegible] 3	2.1474[illegible]999999 02	-2.45873249999 05	1.65040969848 02	-1.67694091796 00	1.29584770202 03

	LAND			TTF	CG			AFC
	1.7358[illegible]1[illegible] 06	-7.1224[illegible]99999 02	2.6648749[illegible]3999 03	-4.18[illegible]43686523 02	1.00	0.00	0.00	4.80160582810 00
					0.00	1.00	0.00	
		TRANSIENT [illegible]237			0.00	0.00	1.00	

	UNWC					
	[illegible]2488[illegible]647 -02	2.68[illegible]1.[illegible]866 -02	-9.99468584431 -01	9.90291336584 -01	-2.84321604564 -04	-1.39007150347 -01

	TIME	MASS	FREIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975[illegible]2.33	13267.[illegible]9	[illegible]	3440	3.2492	4.8C16	344C	5093	0	4096	4096

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	TFRCMO
DISPLAYS:	3975[illegible]2.61	63	6 [illegible]	45003	- 547	- [illegible] 58	1328	42710	99 81	4265	99999	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]7563.28	0.120	8[illegible]0.5278	0.1098	0.0033	- 0.1460	0.0011	ACTUAL
	7563.[illegible]8	0.[illegible]064	8[illegible]0.7145	0.1647	0.0000	- 0.2187	0.0549	DESIRED

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                TIME        |   MASS      |        RN                          |        VN                          |   ALTITUDE
AGC   29756.279             | +13238.84   | - 1632471.9  + 621451.9  +  97953.9 | + 432.63  + 972.17  + 738.78 | +  13683.37
ENV   29756.279             | +13457.65   | - 1632472.6  + 621657.3  +  97997.1 | + 432.68  + 972.11  + 738.81 | +  13685.35
ERR       0.00              |   22.81     |       .6     5.3         3.1        |   0.04    0.06    0.02       |      1.97

ACC   IN POUNDS             +29137.36     | - 5355879.2  + 2039540.6  + 321502.6 | +1419.42  +3189.55  +2423.84 | +  44892.96
ENV   AND FEETS             +29691.73     | - 5355881.2  + 2039558.2  + 321512.9 | +1419.57  +3189.35  +2423.92 | +  44899.45

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      PIPTIME:        3.975632P0000  05          PEG:  BRAKQUAD                                TPIP:        3.975632800000  05
                                                  ||||||||||||||

                R AND RC                                                                  V AND VG
  1.732594[illegible]  06  -4.9943749[illegible]99  02  -2.406316[illegible]7499  05  1.6144[illegible]849304  02  -5.10358810424  -01  1.28532009124  03
 -2.541374[illegible]  03   2.011743[illegible]99  02  -2.432876249999  05  1.6205825[illegible]8056  02  -1.67236328125  00  1.28876860046  03

                LAND                                        TTF                          CG                          AFC
  1.7359[illegible]1174[illegible]  06  -7.198749[illegible]99  02   2.655999993999  03  -4.159407227656  02  1.00  0.00  0.00   4.80483751744  00
                                                                                          0.00  1.00  0.00
                TRANSIENT  0.236                                                          0.00  0.00  1.00

                UNFC                                                                      UNWC
  3.66157[illegible]  -02  2.7165[illegible]54[illegible]4  -03  -9.5932572604[illegible]  -01  9.9049658444[illegible]  -01  -2.8488784847[illegible]  -04  -1.37537031493  -01

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              TIME        MASS      PWEIGHT   FCCLC     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE:   29756.33    13238.84      0       3443    3.2592    4.8048    3443      5075       0         4096      4096

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              TIME       MUTE   VERBNOUN    H       HDOT     TTF      RANGE    ABVEL    TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   29756.61     63      6  00    44893   -  553   - 6.56     1314    42500    99 P1      4248    99999     9999

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              COLTIME       COUX       COUY       COUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   3 7565.28     0.120     88.2202    0.1058     0.0028   - 0.1545   - 0.0005     ACTUAL
            3 7565.23     0.4 04    8[illegible].4948    0.1647     0.0000   - 0.2087     0.0549     DESIRED

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	TIME	MASS	RN	VN	ALTITUDE
ACC	[illegible]75[illegible].279	+132[illegible].79	- 1631607.9 + 6235951.9 + 9947.9	+ 432.51 + 966.57 + 734.99	+ 13649.49
ENV	[illegible]75[illegible].279	+13[illegible].12	- 1631607.9 + 6235951.9 + 9947.9	+ 432.55 + 966.50 + 735.01	+ 13651.36
ERR	[illegible]	[illegible].27	0.6 3.9 2.9	0.04 0.06 0.01	1.86
AGC	IN FLIGHT	+2[illegible]	- 5353446.6 + 2045905.5 + 326338.5	+1419.00 +3171.38 +2411.41	+ 44781.82
ENV	ANI PHOTO	+2 62[illegible]	- 5353042.6 + 2045918.5 + 326348.3	+1419.15 +3170.96 +2411.48	+ 44787.94

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PIPTIME: [illegible]975[illegible]00 05 PC3: BRAKQUAD TPIP: 3.97565280000 05

	R AND RC			V AND VG		
[illegible]	-[illegible] 2	-2.38067124999 05	1.58493705564 02	-5.05399703979 -01	1.27923569679 03	
-[illegible] 02	[illegible] 02	-2.40714249999 05	1.59104537963 02	-1.66816711425 00	1.28365530273 03	

	LANE	TTF	CG	AFC
[illegible]	-7.07459954994 02	2.64712499999 03	-4.13537270507 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.80801565572 00
	TRANSIENT 0.32			

	UNFC			UNWC	
[illegible]72 -02	[illegible]	-9.99165063812 -01	9.90695855592 -01	-2.85468992750 -04	-1.36073848750 -01

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	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRETTLE:	[illegible]756[illegible].33	132[illegible].79	0	3435	3.2592	4.8[illegible]EC	3435	5068	0	4096	4096

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	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ARVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3.756[illegible].61	[illegible]	6 6[illegible]	44782	- 558	- 6 53	1300	42290	55 81	4226	59999	9999

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	DUTIME	ELEX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.75670.28	[illegible].131c	87.9785	0.1098	0.0027	- 0.1064	- 0.0001	ACTUAL
	3.75670.23	[illegible].064	88.2751	0.1047	0.0000	- 0.1977	0.0549	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39756[illegible]	+131[illegible]0.72	- 1630741.9	+ 625519.9	+ 100933.9	+ 432.36	+ 960.96	+ 731.15	+ 13615.24
ENV	39756[illegible].279	+1340[illegible].59	- 1630742.[illegible]	+ 625523.4	+ 100937.2	+ 432.39	+ 960.90	+ 731.21	+ 13616.96
ERR	0.00	227.86	0.3	3.4	3.2	0.04	0.06	0.02	1.71
ACC	IN METRICS	+2903[illegible].22	- 5350203.4	+ 2052230.9	+ 331148.2	+1418.44	+3152.78	+2398.93	+ 44669.45
ENV	AND ECCTS	+2956[illegible].57	- 5350204.7	+ 2052242.1	+ 331158.8	+1418.60	+3152.57	+2399.01	+ 44675.08

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DIPTIME: 0.975672[illegible]000 05 PEG: BRAKQUAD TPIP: 3.97567280000 05

	R AND RG			V AND VG		
1.72354[illegible] 06	-0.[illegible]59 02	-7.35514749999 05	1.55575847625 02	-5.00440597524 -01	1.27311658859 03	
-[illegible].30727[illegible]	2.14624 [illegible] 02	-2.361529999999 05	1.561301910400 02	-1.66358947753 00	1.27756659979 03	

	LAND		TTF	CG			AFC	
1.73580[illegible] 06	-7.05124999999 02	2.63824999999 03	-4.11137675781 02	1.00 0.00 0.00			4.81118215247 00	
				0.00 1.00 0.00				
TRANSIENT 0.231				0.00 0.00 1.00				

	UNFC			UNWC		
4.47015[illegible]68 -02	2.78676457077 -03	-9.98996481933 -01	9.90897582500 -01	-2.86042688564 -04	-1.34617603509 -01	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39756[illegible].33	131[illegible].72	0	3443	3.2742	4.9111	3443	5760	0	4096	4096

	TIME	MULE	VERBACCN	H	HOCT	TTF	RANGE	ARVEL	TTF LPP	FORVEL	DELTAH	THRCMO
DISPLAYS:	39756[illegible].61	63	6 63	44665	- 564	- 6 51	1296	42079	99 81	4206	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39756[illegible].28	0.1428	87.7EC7	0.1208	0.0022	- 0.0796	0.0227	ACTUAL
	39756[illegible].2[illegible]	0.4[illegible]64	[illegible]0.0556	0.1647	0.0000	- 0.1867	0.0549	DESIRED

	TIME	MASS	EN			VN			ALTITUDE
AGC	[illegible]	+13[illegible]	- 16[illegible]877.[illegible]	+ 627435.9	+ 102391.9	+ 432.15	+ 956.36	+ 727.39	+ 13580.62
ENV	[illegible]	+13375[illegible]	- 1629[illegible]77.[illegible]	+ 627435.6	+ 102395.8	+ 432.19	+ 956.26	+ 727.41	+ 13582.21
ER	[illegible]	227[illegible]	0.1	3.6	3.9	0.03	0.06	0.02	1.59
AGC	IN POUNDS	+2[illegible]	- 5347[illegible]7	+ 2058517.0	335931.7	+1417.83	+3134.40	+2386.45	+ 44555.85
ENV	AND FEETS	+294[illegible]	- 5347[illegible]1	+ 2058528.9	335944.3	+1417.96	+3134.17	+2386.52	+ 44561.08

PRITIME: 3.975[illegible] 05

P63: BRAKQUAL

TPIF: 3.9756[illegible]280000 05

R AND RD			V AND VG		
1.7[illegible]8[illegible] 74 99 06	-5.[illegible]1437[illegible] 02	-2.329746 4 99 05	1.52677245[illegible]18 02	-4.95481491088 -01	1.26699285507 03
-1.99 1.4[illegible] 0[illegible]	0.[illegible]12455[illegible] 02	-2.356[illegible]3959999 05	1.53274917602 02	-1.65939331054 00	1.27144393920 03

LAND		TTF		CG		AFC	
1.7[illegible] 17	-7.027[illegible] 02	2.62937499999 03	-4.08737597656 02	1.00 0.00 0.00		4.81433002278	00
				0.00 1.00 0.0[illegible]			
TRANSIENT 0.226				0.00 0.00 1.00			

UNFC				UNWC			
[illegible]	2.26[illegible] -02	-9.588[illegible]5199 -01	9.910[illegible]3390715 -01	-2.86623835860 -04	-1.33168347317 -01		

	TIME	MASS	FWEIGHT	FCOLF	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397570.53	131[illegible]	0	3436	3.2742	4.8143	3436	5052	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97570.61	63	6 63	44556	- 570	- 6.48	1272	41868	99.61	4185	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97571.28	0.1428	87.6269	0.1098	0.0013	- 0.0975	- 0.0370	ACTUAL
	397571.2[illegible]	[illegible].164	7.6356	0.1647	0.0000	- 0.1867	0.0659	DESIRED

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          TIME  |   MASS   |                  RN                  |                  VN                  |   ALTITUDE
AGC  397571.279 | +13122.85 | - 1629013.9 + 6293336.9 + 1038436.9 | + 431.93 + 949.75 + 723.57 | + 13545.62
ENV  397571.279 | +13349.50 | - 1629013.6 + 6293446.5 + 1038468.8 | + 431.97 + 949.68 + 723.60 | + 13547.11
ERR        .000 |   226.65  |       0.0       4.5       2.8       |   0.04    0.07    0.02     |     1.49

ACC    IN POUNDS  +2[illegible]536.65 | - 5344534.1 + 2064763.7 + 3402695.5 | +1417.09 +3116.00 +2373.94 | + 44441.02
ENV    ANGLE DEGS +2943[illegible].32 | - 5344532.9 + 2064778.8 + 3407604.9 | +1417.23 +3115.77 +2374.02 | + 44445.91

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                                          ||||||||||||||
      PIPTIME:      3.97571[illegible]CC  C5          PEG:  BRAKQUAD                    TPIP:      3.97571280000  05
                                          ||||||||||||||

                    R AND C                                                    V AND VG
 1.724195524999  C6  -2.02637499999  02  -2.30446812499  05  1.49807929992  02  -4.90522384643  -01  1.26084446907  03
-1.69866249999  03   1.97874999199  02  -2.33067374999  05  1.50399017333  02  -1.65481567382  00  1.26529617309  03

                    LAND                                TTF                    CG                    AFC
 1.73589187499  06  -7.03749 5999  02   2.62049999999  03  -4.06339755859  02  1.00  0.00  0.00   4.81753610074  00
                                                                                 0.00  1.00  0.00
                    TRANSIENT  0.228                                             0.00  0.00  1.00

                    UNFC                                                       UNWC
 5.26718[illegible]14  -[illegible]2  [illegible]8715[illegible]15  -03  -9.98607759612  -01  9.91286113928  -01  -2.87204980870  -04  -1.31726071247  -01

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          TIME      MASS     FWEIGHT   FCCLC     AF      AFC      FP      FC      PIF    PIFPSET   REG55
THROTTLE:  397572.82  13122.85    0      3439    3.2842   4.8175   3439    5044     0      4096     4096

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          TIME     MODE  VERBNOUN    F      HDOT    TTF    RANGE   ABVEL   TTF LPD  FORVEL  DELTAH   THRCMD
DISPLAYS: 397572.61  63    6  62   44441   - 576  - 6.46   1258   41657   99.81    4163   99999    9999

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          CDUTIME     CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 397573.08   0.1[illegible]8   87.4511   0.0709    0.0023  - 0.0892  - 0.0029   ACTUAL
          397573.2[illegible]  0.4[illegible]4   87.6159   0.1647    0.0000  - 0.1867    0.0659   DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]7573.79	+13094.02	- 1628149.9	+ 631233.9	+ 105285.9	+ 431.67	+ 944.14	+ 719.75	+ 13510.37
ENV	97573.27	+1331[illegible].96	- 1628149.9	+ 631238.3	+ 105290.2	+ 431.72	+ 944.07	+ 719.77	+ 13511.70
ERR	.001	225.94	0.0	4.3	4.2	0.04	0.06	0.02	1.33
AGC	IN POUNDS	+23847.07	- 5341[illegible].4	+ 2070977.6	+ 345426.5	+1416.26	+3097.58	+2361.35	+ 44325.37
ENV	ANL UNITS	+29365.18	- 5341699.2	+ 2070991.9	+ 345440.4	+1416.42	+3097.35	+2361.47	+ 44329.74

P63: PRAKQUAD

TPIP: 3.97573280000 05

	R AND RE			V AND VG		
1.7444[illegible]	-9.3[illegible] 02	-2.27931312499 05	1.46957778930 02	-4.85563278198 -01	1.25467143058 03	
-1.3[illegible] 02	1.9447[illegible] 02	-2.30542874999 05	1.47542572021 02	-1.65261950683 00	1.25912299291 03	

	LAND		TTF	CG			AFC	
1.7358[illegible] 06	-6.9795[illegible] 02	2.61162499999 03	-4.03943754882 02	1.00	0.00	0.00	4.82050003483 00	
				0.00	1.00	0.00		
	TRANSINT .0226			0.00	0.00	1.00		

	LNFC			UNWC		
[illegible]6144[illegible] -02	3.9361[illegible]6274 -03	-9.98391889067 -01	9.91475779290 -01	-2.87778676558 -04	-1.30290814197 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97574.41	13[illegible]	0	3447	3.2992	4.8205	3447	5036	0	4096	4096

	TIME	NOUN	VERBACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97574.61	62	6 63	44325	- 582	- 6.74	1245	41445	99.81	4142	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97575.28	0.1539	87.2534	0.1098	0.0034	- 0.1092	0.0317	ACTUAL
	97575.29	0.4164	87.3962	0.1647	0.0000	- 0.1867	0.0659	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	397575.[illegible]	+13065.24	- 1627237.9 + 633117.9 + 106721.9	+ 431.40 + 938.53 + 715.91	+ 13474.62
ENV	397575.279	+13230.41	- 1627286.7 + 633120.8 + 106725.9	+ 431.45 + 938.45 + 715.94	+ 13475.84
ERR	.000	22[illegible].16	1.2 2.8 3.9	0.04 0.07 0.03	1.22
AGC	IN POUNDS	+28815.63	- 5338871.3 + 2077156.7 + 350137.7	+1415.36 +3079.16 +2348.80	+ 44208.08
ENV	AND FEETS	+29301.04	- 5338867.2 + 2077168.2 + 350150.8	+1415.52 +3078.92 +2348.90	+ 44212.10

PIPTIME: 3.97575200000 05 PEG: BRAKQUAL TPIP: 3.97575280000 05

	R AND RG			V AND VG	
[illegible].7347 [illegible].6645 06	-3.0[illegible]44374[illegible]99 02	-2.25428124999 05	1.44126939773 02	-4.90617752075 -01	1.24848380088 03
-1.16[illegible] [illegible] 03	1.91124999999 02	-2.28030874999 05	1.44705200195 02	-1.65596008300 00	1.25293731689 03

	LAND		TTF	CG	AFC
1.73589[illegible].1499 06	-6.95624999999 02	2.60274999999 03	-4.01549160156 02	1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00	4.82367817312 00
	TRANSIENT 0.226				

	UNFC			UNWC	
0.0[illegible]5524 6604 -02	2.58[illegible]57283734 -02	-9.98160129198 -03	9.91662419237 -01	-2.88359820524 -04	-1.28862574554 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397576.19	13065.24	0	3442	2.3042	4.8236	3444	5028	0	4096	4096

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397576.44	63	6 63	44208	- 588	- 6.41	1231	41232	99.81	4124	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397577.0[illegible]	0.1647	86.5857	0.1218	0.0026	- 0.1424	- 0.0026	ACTUAL
	397577.2	0.4[illegible]64	7.1765	0.1647	0.0000	- 0.2087	0.0659	DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]577.[illegible]	+13026.53	- 1626423.9	+ 624987.9	+ 108149.9	+ 431.10	+ 932.90	+ 712.08	+ 13438.49
ENV	[illegible]7.[illegible]	+13260.85	- 1626424.1	+ 624992.1	+ 108154.0	+ 431.14	+ 932.83	+ 712.11	+ 13439.60
ERR	[illegible]	224.32	0.1	4.1	4.0	0.04	0.06	0.02	1.10
AGC	IN FCINFO	+25740.[illegible]	- 5436[illegible]36.7	+ 2083293.9	354822.8	+1414.37	+3060.71	+2336.24	+ 44089.56
ENV	ARL POINTS	+29234.84	- 5336037.2	2083387.6	+ 354836.0	+1414.52	+3060.49	+2336.32	+ 44093.19

****

PITIME: 3.[illegible]75772[illegible] 05 PBI: BRAKQUAD TPIF: 3.07577280000 05

	R AND RC				V AND VG		
1.75[illegible] 6	-5.05374[illegible] 999 2	-2.22937374999 05	1.41315412521 02		-4.75645065307 -01	1.24228153228 03	
-1.23[illegible] 02	1.87874[illegible].999 02	-2.25531249999 05	1.41887283325 02		-1.64184570312 00	1.24673576354 03	

	LANC	TTF	CG			AFC	
[illegible] 06	-6.93 49[illegible] 02	2.59387499999 03	-3.99155346679 02	1.00	0.00	0.00	4.82697738334 00
				0.00	1.00	0.00	
	TRANSIENT 0.224			0.00	0.00	1.00	

	UNFC			UNWC		
4477[illegible]2461 -02	2.94862250120 -03	-9.97914672449 -01	9.91846058932 -01	-2.88896261681 -04	-1.27441405824 -01	

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	TIME	MASS	PWEIGHT	PCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	1975[illegible].19	13036.53	0	3442	3.3392	4.8265	3442	5021	0	4096	4096

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	TIME	MODE	VERBACON	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCPVEL	DELTAH	THRCMD
DISPLAYS:	1575[illegible]6.43	63	6 63	44090	- 595	- 6 39	1218	41020	55 81	4101	55999	9999

****

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	1575[illegible].29	[illegible].757	86.6931	3.1428	0.0027	- 0.1255	- 0.0225	ACTUAL
	97579.28	[illegible]4064	86.9567	0.1647	0.0000	- 0.2087	0.0549	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39757.279	+13[illegible]0.07	- 1624561.9	+ 6368479	+ 1045699	+ 430.75	+ 927.28	+ 708.24	+ 13401.99
ENV	39757.279	+132[illegible]1.30	- 1625562.1	+ 6368522	+ 1095740	+ 430.80	+ 927.21	+ 708.27	+ 13402.98
ERR	[illegible]	2[illegible].42	0.1	4.2	4.4	0.04	0.06	0.03	0.98
AGC	IN PROJECTS	+29[illegible]7.16	- 5332208.6	+ 2089396.3	+ 3594816	+1413.24	+3042.28	+2323.63	+ 43969.81
ENV	AND FEETS	+29162.72	- 5333209.2	+ 2089410.2	+ 3594961	+1413.40	+3042.05	+2323.73	+ 43973.05

PIPTIME: 3.97579280000 05 PEG: BRAKQUAL TPIP: 3.97579280000 05

R AND RG				V AND VG			
1.73534E-7499	06	-5.06[illegible]2499999	02	-2.2045906[illegible]499	05	1.38543224334	02
-5.43499[illegible]	02	1.[illegible]44-[illegible]	02	-2.23044124999	05	1.39108657836	02

LAND				TTF		CG			AFC	
1.73585[illegible]97499	06	-6.90[illegible]749999999	02	2.5E49999[illegible]9999	03	-3.96764248046	02	1.00 0.00 0.00	4.82984595687	00
								0.00 1.00 0.00		
		TRANSIENT 0.221						0.00 0.00 1.00		

UNFC				UNWC			
6.83426317074	-07	3.0[illegible]27639[illegible]	-03	-9.97657314980	-01	9.92026729450	-01
-2.89440156468	-04	-1.26027315610	-01				

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TPRCTLE:	39758[illegible]	13[illegible]7.07	0	3445	3.3152	4.8298	3445	5013	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3758[illegible].43	6[illegible]	6 63	43970	- 601	- 6 36	1204	40806	99 81	4080	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	758[illegible].74	0.1757	86.4843	0.1426	0.0051	- 0.0809	0.0479	ACTUAL
	3758[illegible].0	0.[illegible]64	86.7370	0.1[illegible]+7	0.0000	- 0.2087	0.0545	DESIRED

	TIME	MASS	RN		VN		ALTITUDE
AGC	[illegible]	+12971.28	- 1624701.0 + 6386570.9 + 1109863.9		+ 430.38 + 921.67 + 704.39		+ 13365.24
ENV	[illegible]	+13201.76	- 1624700.9 + 6387010.0 + 1109870.1		+ 430.42 + 921.60 + 704.42		+ 13366.06
ER	[illegible]	230.44	1.0 3.0 3.1		0.04 0.07 0.03		0.81
AGC	IN FLOODS	+26614.19	- 5330187.1 + 2095465.8 + 364120.7		+1412.00 +3023.86 +2311.00		+ 43849.24
ENV	ME EPOTS	+24114.55	- 5330382.6 + 2095475.9 + 364131.0		+1412.16 +3023.62 +2311.11		+ 43851.91

P63: BRAKQUAL

PIPTIME: 3.97581280000 05 TPIP: 3.97581280000 05

	R AND RG			V AND VG		
[illegible]	-[illegible] 02	-2.17993187499 05	1.35800266265 02	-4.65726852416 -01	1.22981343269 03	
[illegible]	1.81249[illegible]999 02	-2.20569249999 05	1.36355405517 02	-1.63269042968 00	1.23426855141 03	

	LAND		TTF	CG			AFC	
[illegible]	-5.88[illegible]999 02	2.57612499999 02	-3.94373050820 02	1.00	0.00	0.00	4.83267940580	00
				0.00	1.00	0.00		
	TRANSIENT [illegible].219			0.00	0.00	1.00		

	LNFC			UNWC			
[illegible]	3.06[illegible]701 -02	-9.97388509010 -01	9.92204463688 -01	-2.89976596457 -04	-1.24620255899 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRCTTLE:	[illegible]	[illegible]	0	3442	3.3242	4.8326	3442	5005	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FDPVEL	DELTAH	THPCMD
DISPLAYS:	[illegible]	63	6 63	43849	- 607	- [illegible]34	1191	40593	99 81	4060	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	0.1[illegible]67	86.3305	0.1428	0.0052	- 0.0781	0.0466	ACTUAL
	[illegible]	1.4064	86.5173	0.1647	0.0000	- 0.2087	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397584.279	+12950.77	- 1623841.9	+ 640535.9	+ 112387.9	+ 429.97	+ 916.05	+ 700.54	+ 13327.99
ENV	397584.279	+13172.17	- 1623840.4	+ 640538.6	+ 112392.1	+ 430.02	+ 915.98	+ 700.57	+ 13328.71
ERR	0.00	221.40	1.5	2.6	4.1	0.04	0.07	0.02	0.71
AGC	IN POUNDS	+28551.28	- 5327565.6	+ 2101495.0	+ 368727.0	+1410.68	+3005.42	+2298.38	+ 43727.03
ENV	AND FEETS	+29[illegible]	- 5327560.6	+ 2101504.7	+ 368740.6	+1410.84	+3005.18	+2298.48	+ 43729.37

PIPTIME: 3.97583280000 05 | PGS: PRAKQUAD | TPIP: 3.97583280000 05

	R AND RG			V AND VG	
1.7358[illegible] 05	-5.818749999 02	-2.155398[illegible]2459 05	1.330766201[illegible] 02	-4.50754165649 -01	1.22255761528 03
-[illegible] -01	[illegible].7787[illegible] 9999 02	-2.181[illegible]7124959 05	1.3362956[illegible]154 02	-1.618194580[illegible] 00	1.22801399230 03

	LAND	TTF	CG	AFC
1.7358[illegible]187499 06	-6.8612499999999 02	2.5672499999999 03	-3.919840283[illegible]0 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.83594834804 00

TRANSITION 0.215

	UNFC		UNWC
7.5901577[illegible]617 -02	[illegible]6831441570 -03	-9.97110593627 -01	9.92379286886 -01 -2.90527938051 -04 -1.23220398282 -01

	TIME	MASS	FWEIGHT	FCCLC	ΔF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397584.19	12950.77	0	3440	3.3292	4.8359	3440	4997	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THROMO
DISPLAYS:	397584.43	63	6 63	43727	- 613	- 6.32	1178	40379	99.81	4037	99999	9999

	CDUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397585.23	0.1977	66.1877	0.1757	0.0038	- 0.0742	- 0.0049	ACTUAL
	397585.2[illegible]	0.4[illegible]64	66.2976	0.1647	0.0000	- 0.1977	0.0549	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	3975[illegible]5.279	+12922.52	- 1622581.9	+ 642361.9	+ 113785.9	+ 429.54	+ 910.42	+ 696.69	+ 13290.43
ENV	3975[illegible]5.27[illegible]	+13142.60	- 1622[illegible]	+ 642364.9	+ 113789.4	+ 429.59	+ 910.36	+ 696.72	+ 13290.98
ERR	[illegible]	2 1.0[illegible]	1.1	2.9	3.4	0.04	0.06	0.02	0.54
AGC	IN FCLNTS	+2[illegible]46.7[illegible]	- 5324744.0	+ 2107486.8	+ 373313.6	+1409.27	+2986.95	+2285.73	+ 43603.79
ENV	ANL FOOTS	+2[illegible]74.1[illegible]	- 5324740.3	+ 2107496.6	+ 373324.9	+1409.43	+2986.72	+2285.82	+ 43605.58

FIFTIME: 3.97585260000 05 P63: BRAKQUAD TPIP: 3.97585260000 05

	R AND RG				V AND VG		
1.75615506749 6	-5.09[illegible]99 02	-2.13098999999 05	1.20372333526 02	-4.35781478881 -01	1.21727733612 03
1.68124[illegible] 2	1.74624[illegible]999 2	-2.15657374999 05	1.30918884277 02	-1.60369873046 00	1.22173423767 03

LANL		TTF	CG			AFC
1.75[illegible]187495 06	-1.63749[illegible]99 02	2.55837499999 03	-3.89596645507 02	1.00 0.00 0.00		4.83873067423 00
				0.00 1.00 0.00		
TRANSIENT 0.217				0.00 0.00 1.00		

UNFC			UNWC		
7.9[illegible]2280 -02	3.06551272690 -03	-9.96814931933 -01	9.92551228682 -01	-2.91027128341 -04	-1.21627639490 -01

	TIME	MASS	FREIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975[illegible]6.19	12[illegible]21.52	[illegible]	3443	3.3752	4.8387	3443	4985	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FLRVEL	DELTAH	THRCMD
DISPLAYS:	3975[illegible]6.43	[illegible]	6 62	43604	- 619	- 6 29	1164	40165	99 81	4016	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975[illegible]6.29	0.1977	85.9899	0.2087	0.0022	- 0.1179	- 0.0418	ACTUAL
	3975[illegible]6.2[illegible]	0.4064	86.0778	0.1647	0.0000	- 0.2087	0.0439	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	395587.279	+12892.34	- 1622123.9	+ 644175.9	+ 115173.9	+ 429.09	+ 904.79	+ 692.82	+ 13252.43
ENV	395587.279	+13113.04	- 1622122.1	+ 644180.0	+ 115170.0	+ 429.14	+ 904.72	+ 692.85	+ 13252.85
ERR	0.000	220.69	1.8	4.0	5.0	0.04	0.07	0.02	0.42
AGC	IN POUNDS	+28422.45	- 5321929.1	+ 2113438.3	+ 377867.4	+1407.78	+2968.47	+2273.06	+ 43479.12
ENV	AND FEETS	+28908.99	- 5321922.9	+ 2113451.6	+ 377883.9	+1407.94	+2968.24	+2273.15	+ 43480.50

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PIPTIME: 3.97587280000 05 P63: BRAKQUAD TPIP: 3.97587280000 05

	R AND RG				V AND VG			
1.72641212499	06	-5.09337499999	02	-2.10670749999	05	1.27687406539	02	-4.20808792114 -01	1.21098260879 03
5.21249[illegible]99	02	1.71874999999	06	-2.13220249999	05	1.28227998826	02	-1.58958435058 00	1.21543998718 03

	LAND			TTF			CG			AFC	
1.73560187499	06	-6.81374999999	02	2.54949999999	03	-3.87210087890	02	1.00 0.00 0.00	4.84303804114	00
								0.00 1.00 0.00		
		TRANSIENT 0.212						0.00 0.00 1.00		

	UNFC				UNWC			
3.33792121112 -02	3.06419564052	-03	-9.96513179118	-01	9.92720318235	-01	-2.91533765229	-04 -1.20442039047 -01

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	395588.19	12892.34	0	3445	3.3492	4.8430	3445	4982	0	4096	4096

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LED	FORVEL	DELTAH	THRCMD
DISPLAYS:	395588.43	63	6 63	43479	- 625	- 6.27	1151	39950	99.81	3096	99999	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	395589.27	0.2[illegible]7	85.7922	0.1757	0.0020	- 0.1054	- 0.0431	ACTUAL
	395589.28	[illegible]4764	5.8581	0.1647	0.0000	- 0.2087	0.0439	DESIRED

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	TIME	MASS	RA			RV			ALTITUDE
AGC	3975E.279	+12863.21	- 1621245.9	+ 645981.9	+ 116555.9	+ 428.60	+ 899.16	+ 688.96	+ 13214.12
ENV	3975E.279	+13083.46	- 1621264.3	+ 645983.8	+ 116560.8	+ 428.65	+ 899.06	+ 688.98	+ 13214.33
ER	0.0	220.24	1.6	1.8	4.8	0.05	0.07	0.02	0.21
AGC	IN FEETS	+28358.24	- 5319114.1	+ 2119363.5	+ 382401.5	+1406.19	+2950.01	+2260.37	+ 43353.42
ENV	ANE FEETS	+28641.79	- 5319118.6	+ 2119369.6	+ 382417.5	+1406.36	+2949.75	+2260.46	+ 43354.12

PIPTIME: 3.97589280000 05 P63: BRAKQUAD TPIP: 3.97589280000 05

	R AND RC			V AND VG		
	1.75[illegible] 05	-[illegible] 02	-[illegible]08255062499 05	1.25031852722 02	-4.05836105346 -01	1.20467343330 03
	7.73[illegible] 02	1.[illegible] 02	-[illegible]10795749999 05	1.25506101074 02	-1.57508850097 00	1.20912162231 03

	LANC	TTF	CG	AFC
	1.75[illegible] -[illegible]	2.54062499996 03 -3.84825024414 02	1.00 0.00 0.00	4.84586597870 00
			0.00 1.00 0.00	
	TRANSLNT 0.214		0.00 0.00 1.00	

	UNFC	UNWC
	0.71[illegible] -[illegible]	-9.56194545423 -01 9.92886588292 -01 -2.92010605427 -04 -1.19063586034 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3975C.19	12863.21	0	3442	3.2542	4.8458	3442	4973	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3975C.43	63	6 63	43353	- 632	- 6 24	1138	39735	99 81	3973	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.75[illegible]28	0.[illegible]87	85.5725	0.1318	0.0020	- 0.1059	- 0.0446	ACTUAL
	9.7531[illegible]	0.[illegible]4	85.6384	0.1647	0.0000	- 0.2087	0.0439	DESIRED

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          TIME      |   MASS    |          RN                |          VN                |   ALTITUDE
AGC  397591.279     | +12834.16 | - 1620407.9 + 647773.9 + 1179298.9 | + 428.09 + 893.53 + 685.07 | + 13175.37
ENV  397591.279     | +13065.68 | - 1620407.4 + 647776.3 + 1179349.9 | + 428.14 + 893.45 + 685.10 | + 13175.47
ERR        .000     |   219.71  |          0.5          2.3          4.9 |   0.05     0.08     0.03 |        0.09

ACC   IN POUNDS     +28296.2  | - 5316299.2 + 2125242.7 + 3869004 | +1404.51 +2931.54 +2247.63 | + 43226.29
ENV   ANL FCCTS     +29776.5  | - 5316297.5 + 2125250.6 + 3869257 | +1404.68 +2931.27 +2247.73 | + 43226.62

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                                          ||||||||||||||
      PIPTIME:      3.975912800000 05     PBI:  BRAKQUAL                    TPIP:      3.975912800000 05
                                          ||||||||||||||

                    R AND RG                                                V AND VG
 1.726913131249 C6  -5.115624999999 C2  -2.005852062499 C5  1.223955631125 02  -4.008769989001 -01  1.195833984375 03
 1.021454[illegible] 03  1.044999999999 02  -2.008383874999 C5  1.229236660278 C2  -1.570510864250 CC  1.202798843338 03

                    LAND                                    TTF                 CG                  AFC
 1.725891874[illegible] 06  -6.766249999999 C2  2.531749999999 C3  -3.824421009374 02  1.00  0.00  0.00  4.848963581 02 CC
                                                                                        0.00  1.00  0.00
                                                                                        0.00  0.00  1.00
                    TRANSIENT  0.210

                    UNFC                                                    UNWC
 9.076395217471 -C2  3.103884443132 -03  -9.958676362935 -01  9.930500061617 -01  -2.924799992045 -04  -1.176923513394 -01

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          TIME      MASS      FWEIGHT   FCCLC     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE: 397592.19 12834.16  0         3445      3.3642    4.8489    3445      4965      0         4096      4096

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          TIME      MODE  VERBNOUN  F        HDOT      TTF       RANGE     ABVEL     TTF LPO   FORVEL    DELTAH    THRCMO
DISPLAYS: 397592.43 63    6  63     43226     - 638   - 6.22      1125      39520     99.81     3952      99999     9999

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          CDUTIME   CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 397593.28 0.2197    85.3857   0.1098    0.0021  - 0.1492  - 0.0212   ACTUAL
          397593.28 0.4364    85.3198   0.1647    0.0000  - 0.2197    0.0439   DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
ACC	397593.27[illegible]	+12805.17	- 1619553.9	+ 649555.9	+ 119295.9	+ 427.55	+ 887.90	+ 681.18	+ 13136.24
ENV	397593.279	+13024.29	- 1619551.7	+ 649557.6	+ 119301.2	+ 427.50	+ 887.81	+ 681.21	+ 13136.14
ERR	0.000	219.11	2.2	1.6	5.2	0.04	0.08	0.03	0.10
AGC	IN PEGNDS	+28230.27	- 5313497.3	+ 2131189.2	+ 391391.0	+1402.75	+2913.06	+2234.86	+ 43097.93
ENV	ANL PO TS	+26719.36	- 5212489.9	+ 2131094.7	+ 391408.4	+1402.90	+2912.79	+2234.96	+ 43097.58

PIPTIME: 3.97593200000 05 P63: BRAKQUAD TPIP: 3.97593260000 05

R AND RC						V AND VG			
1.73715549999 06	-5.12237499999 02	-2.03461749999 05	1.19778623117 02	-3.95517892456 -01	1.19199190139 03
1.26362259999 03	1.61874599999 02	-2.05984624999 05	1.20300674438 02	-1.56593322753 00	1.19645118713 03

LAMC		TIF	CG		AFC
1.73589187499 06	-6.74245[illegible]0999 02	2.52287499999 03	-3.80059809570 02	1.00 0.00 0.00	4.85172960907 00
				0.00 1.00 0.00	
TRANSIENT 0.212				0.00 0.00 1.00	

UNFC				UNWC		
9.44646174231 -02	3.14627716784 -02	-9.95523247634 -01	9.93210770424 -01	-2.92949374164 -04	-1.16328327130 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRLTTLE:	397594.15	12835.17	[illegible]	3442	3.2692	4.8E17	3442	4957	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397594.43	6	6 63	43098	- 645	- 6 20	1112	3904	99 81	3930	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7595.28	0.0157	84.9792	0.0439	0.0020	- 0.1687	- 0.0223	ACTUAL
	397595.28	0.4064	84.9792	0.1647	0.0000	- 0.1424	0.0439	DESIRED

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            TIME     |    MASS     |                RN                  |                VN                  |     ALTITUDE
AGC   397595.279     | +12776.25   | - 1618697.9  +  651325.9  +  120655.9 | + 426.97  + 882.27  + 677.28 | +  13096.68
ENV   397595.279     | +12994.71   | - 1618697.0  +  651327.6  +  120659.8 | + 427.02  + 882.19  + 677.31 | +  13096.41
ERR       0.000      |   218.45    |        0.9        1.6          3.8    |   0.05      0.07      0.03   |      0.27

AGC    IN POUNDS     +28166.53     | - 5310688.9  + 2136896.3  +  395853.0 | +1400.84  +2894.58  +2222.07 | +  42968.13
ENV    AND FEETS     +28648.13     | - 5310686.0  + 2136901.8  +  395865.5 | +1401.00  +2894.33  +2222.17 | +  42967.24

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      PIPTIME:        3.975952E00000  05          P63:  BRAKQUAD                          TPIP:        3.975952E00000  05
                                                  ||||||||||||||

                          R AND RG                                                          V AND VG
  1.737295245999  06  -5.131874999999  02  -2.010841249999  05  1.172010689859  02  -3.909587860010  -01  1.185619544498  03
  1.500624599999  03   1.566240999     02  -2.035981249999  05  1.177166759580  02  -1.561355559082  00  1.190079498 29  03

                          LAND                                  TTF                       CG                          AFC
  1.725891874999  06  -6.718749999999  02   2.513999999999  03  -3.776799121009  02   1.00   0.00   0.00   4.854353610 42  00
                                                                                        0.00   1.00   0.00
                                                                                        0.00   0.00   1.00
                      TRANSIENT  0.2C7

                          UNFC                                                              UNWC
  9.807222315 93  -02   3.194215534 62  -03  -9.951740741 82  -01  9.933687417 37  -01  -2.934262147 29  -04  -1.149715479 58  -01

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            TIME      MASS     FWEIGHT   FCCLD     AF       AFC       FP       FC       PIF     PIFPSET   REG55
THROTTLE:   397596.19 12776.25    0      3450     2.3842   4.8543    3450     4948      0      4096      4096

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            TIME      MODE   VERBNOUN    F      HDOT     TTF     RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   397596.43  63     6  63    42968   -  652   -  0.17   1099    39087    99.81    3910     99999    9999

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            CDUTIME     CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:   397597.28   0.2307    84.8034   0.0655    0.0042  - 0.0874    0.0273      ACTUAL
            397597.28   0.4064    84.7595   0.1647    0.0000  - 0.1428    0.0439      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397597.279	+12747.39	- 1617845.6	+ 6530835.9	+ 1220105.9	+ 426.35	+ 876.65	+ 673.37	+ 13056.68
ENV	397597.279	+12965.12	- 1617843.6	+ 6530886.4	+ 1220010.5	+ 426.40	+ 876.57	+ 673.41	+ 13056.31
ERR	0.00	217.72	2.3	2.4	4.5	0.05	0.08	0.03	0.36
AGC	IN POUNDS	+28102.90	- 5307893.7	+ 2142664.0	+ 400282.1	+1398.80	+2876.15	+2209.24	+ 42836.90
ENV	AND FOOTS	+28582.90	- 5307885.9	+ 2142672.0	+ 400297.1	+1398.97	+2875.89	+2209.35	+ 42835.69

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PIPTIME: 3.975972 0000 05 P63: BRAKQUAD TPIP: 3.975972800000 05

R AND RG					V AND VG			
1.73762487459 06	-9.13959999999 02	-1.98719249999 05	1.14662533349 02	-3.96013259887 -01	1.17923283576 03			
1.73249999999 03	1.55499999999 02	-2.01224374999 05	1.15172576904 02	-1.56707763671 00	1.18369331359 03			

LAND			TTF	CG			AFC
1.73585187499 06	-6.65499999999 02	2.50512499999 03	-3.75301118164 02	1.00 0.00 0.00	4.85646772789 00		
				0.00 1.00 0.00			
TRANSIENT 0.197				0.00 0.00 1.00			

LNFC				UNWC			
1.01493939 59 -01	3.28382497013 -01	-9.94830737882 -01	9.93524007963 -01	-2.93895600159 -04	-1.13622001504 -01		

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	TIME	MASS	FREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397598.19	12747.39	0	3447	3.3892	4.8584	3447	4941	0	4096	4096

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	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAF	THRCMD
DISPLAYS:	397598.43	63	6 63	42837	- 657	- 6 15	1087	38871	99 81	3888	99999	9999

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	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397599.28	0.2416	84.5617	0.0878	0.0040	- 0.1153	0.0238	ACTUAL
	397599.28	0.4064	84.5397	0.1647	0.0000	- 0.1428	0.0549	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397599.79	+12716.60	- 1616993.9	+ 654831.9	+ 123347.9	+ 425.71	+ 871.02	+ 669.46	+ 13016.43
ENV	397599.270	+12936.52	- 1616991.4	+ 654833.9	+ 123353.4	+ 425.76	+ 870.94	+ 669.50	+ 13015.85
ERR	0.000	216.92	2.5	1.9	5.4	0.04	0.07	0.03	0.57
AGC	IN POUNDS	+28039.43	- 5205098.4	+ 2148398.9	+ 404685.0	+1396.68	+2857.70	+2196.42	+ 42704.84
ENV	AND FEETS	+28517.65	- 5305090.1	+ 2148405.3	+ 4047C3.0	+1396.85	+2857.44	+2196.52	+ 42702.94

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PIPTIME: 3.97599280000 05 P63: BRAKQUAD TPIP: 3.97599280000 05

R AND G			V AND VG	
1.73785118749 06	-5.48124999999 02	-1.96367174499 05	1.12144088745 02	-3.91054153442 -01	1.17283182144 03
1.95937499999 03	1.52249999999 02	-1.98863374999 05	1.12647628784 02	-1.56250000000 00	1.17729301452 03

LAND		TTF	CG	AFC
1.73589117499 06	-6.67124999999 02	2.49624999999 03	-3.72923183593 02	1.00 0.00 0.00	4.86114062368 00
				0.00 1.00 0.00
TRANSIENT 0.199				0.00 0.00 1.00

UNFC				UNWC	
1.04964146511 -01	3.33495580183 -03	-9.94470414751 -01	9.93676594455 -01	-2.94364988526 -04	-1.12279735399 -01

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	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397600.19	12719.60	0	3444	3.3942	4.8611	3444	4933	0	4096	4096

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397600.43	63	6 63	42705	- 663	- 6 12	1074	38654	99 81	3865	99999	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397601.28	0.2416	84.3420	0.1318	0.0050	- 0.0691	0.0556	ACTUAL
	397601.28	0.4064	84.3200	0.1647	0.0000	- 0.1428	0.0659	DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
AGC	397601.279	+12689.87	- 1616141.9	+ 656567.9	+ 124683.5	+ 425.01	+ 865.40	+ 665.55	+ 12975.81
ENV	397601.279	+12905.92	- 1616140.6	+ 656570.2	+ 124688.5	+ 425.07	+ 865.32	+ 665.58	+ 12975.10
ERR	0.000	216.04	1.3	2.2	4.5	0.05	0.08	0.03	0.71
AGC	IN POUNDS	+27976.10	- 5302303.1	+ 2154094.4	+ 409068.2	+1394.42	+2839.25	+2183.57	+ 42571.56
ENV	AND FOOTS	+28452.40	- 5302298.6	+ 2154101.8	+ 409083.2	+1394.61	+2838.99	+2183.68	+ 42569.23

PIPTIME: 3.97601280000 05 PEG: BRAKQUAD TPIP: 3.97601280000 05

R AND RG			V AND VG	
1.73807299999 06	-5.15562499999 02	-1.94027937499 05	1.09664678573 02	-3.86095046957 -01	1.16640644073 03
2.18112499999 03	1.49124999999 02	-1.96515374999 05	1.10162353515 02	-1.55830383300 00	1.17086830139 03

LAND			TTF		CG			AFC
1.73859187499 06	-6.64749999999 02	2.48737499999 03	-3.70547919921 02	1.00	0.00	0.00		4.86371340230 00
					0.00	1.00	0.00	
TRANSIENT 0.194					0.00	0.00	1.00	

LNFC				UNWC		
1.08345480283 -01	3.38160152751 -03	-9.94107550873 -01	9.93826528846 -01	-2.94797121877 -04	-1.10944777500 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397602.19	12689.87	0	3447	3.4042	4.8627	3447	4925	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397602.43	63	6 63	42572	- 669	- 6 10	1061	38436	99 81	3843	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397603.28	0.2524	84.1223	0.1098	0.0032	- 0.1567	0.0262	ACTUAL
	397603.28	0.4064	84.1003	0.1647	0.0000	- 0.1318	0.0659	DESIRED

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          TIME    |    MASS    |                RN                |                VN                |    ALTITUDE
AGC   397603.279  | +12661.21  | - 1615293.9  +  658293.9  +  126011.9 | + 424.31  + 859.78  + 661.63 | +  12934.81
ENV   397603.279  | +12876.32  | - 1615251.1  +  658295.2  +  126015.8 | + 424.36  + 959.70  + 661.67 | +  12933.93
ERR     0.000     |   215.10   |          2.8          1.2          3.8 |   0.04    0.08    0.03   |      0.88

AGC    IN POUNDS  +27912.91  | - 5295526.9  + 2159757.2  +  413425.1 | +1392.11  +2820.81  +2170.72 | +  42437.04
ENV    AND FEETS  +28387.14  | - 5299511.7  + 2159761.3  +  413437.7 | +1392.27  +2820.54  +2170.83 | +  42434.15

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      PIPTIME:        3.97603280000  05    PE3:  BRAKQUAD                    TPIP:        3.97603280000  05
                                          |||||||||||||

                        R AND RG                                                V AND VG
  1.73828587499  06  -5.16312499999  02  -1.91701562499  05   1.07194662094  02  -3.81135940551 -01   1.15597681617  03
  2.35799999999  03   1.45999999999  02  -1.94180124999  05   1.07686233520  02  -1.55372619628  00   1.16443901062  03

                        LAND                                  TTF                       CG                      AFC
  1.73589187499  06  -6.62374999999  02   2.47849999999  03  -3.68172397460  02   1.00  0.00  0.00   4.86781122162  00
                                                                                     0.00  1.00  0.00
                      TRANSIENT  0.191                                               0.00  0.00  1.00

                        UNFC                                                          UNWC
  1.11668639489 -01   3.43107404697 -03  -9.93739574881 -01   9.93973841669 -01  -2.95236706114 -04  -1.09617128738 -01
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              TIME       MASS     FWEIGHT   FCCLC      AF       AFC       FP       FC       PIF    PIFPSET   REG55
THROTTLE:   397604.19   12661.21     0      3444     3.4092    4.8678    3444     4918      0      4096      4096
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              TIME      MCOE   VERBNOUN    F      HOCT     TTF     RANGE    ABVEL    TTF LPO   FORVEL   DELTAH   THRCMO
DISPLAYS:   397604.43    63      6  63   42437   -  675   -  6  8   1049    38219    99 81     3821    99999     9999
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              CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   397605.28    0.2636    83.8516    0.1647     0.0024   - 0.1421   0.0033      ACTUAL
            397605.28    0.4264    83.8806    0.1647     0.0000   - 0.1318   0.0659      DESIRED
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	TIME	MASS	RN			VN			ALTITUDE
AGC	397605.279	+12632.61	- 1614445.9	+ 660007.9	+ 127329.9	+ 423.57	+ 854.16	+ 657.71	+ 12893.43
ENV	397605.279	+12846.72	- 1614443.1	+ 660009.0	+ 127335.2	+ 423.61	+ 854.07	+ 657.74	+ 12892.41
ERR	0.000	214.10	2.8	1.0	5.2	0.04	0.08	0.03	1.02
AGC	IN PEGNUS	+27847.56	- 5296738.8	+ 2165380.5	+ 417749.3	+1389.66	+2802.37	+2157.84	+ 42301.30
ENV	AND POINTS	+28321.68	- 5296729.6	+ 2165383.9	+ 417766.5	+1389.82	+2802.08	+2157.96	+ 42297.93

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PIPTIME: [illegible] 05 PGS: BRAKQUAL TPIP: 3.97605280000 05
||||||||||||||

R AND RL V AND VG

1.72[illegible] 06	-[illegible] 02	-1.89338062499	05	1.04764[illegible]C047	02	-3.76176834106	-01	1.15352292060	03
.60987[illegible] 03	1.42[illegible] 02	-1.91857624999	05	1.05249786376	02	-1.54914855957	00	1.15798568725	03

	LANE		TTF		CG			AFC	
1.73589187[illegible] 01	-6.55999[illegible] 02	2.46962499999	03	-3.65798681640	02	1.00	0.00	0.00	4.87038632854 00
						0.00	1.00	0.00	
	TRANSIENT 0.191					0.00	0.00	1.00	

	UNFC				UNWC		
1.14981440612 -01	3.47[illegible]1691 -03	-9.93361552079 -01	9.94118561949 -01	-2.95676288183 -04	-1.08296803102 -01		

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	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397606.19	12632.61	0	3446	3.4192	4.8703	3446	4909	0	4096	4096

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	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397606.43	63	6 63	42301	- 681	- 6 5	1036	38001	99 80	3799	99999	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397607.28	0.2836	83.6169	0.1318	0.0024	- 0.1144	- 0.0007	ACTUAL
	397607.28	0.4764	83.6608	0.1647	0.0000	- 0.1098	0.0659	DESIRED

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          TIME      |   MASS    |                PN                |                VN                |     ALTITUDE
AGC   397607.279    | +12613.31 | - 1613599.9  + 661709.9  + 128641.9 | + 422.78  + 848.53  + 653.78 | + 12851.68
ENV   397607.279    | +12817.11 | - 1613596.7  + 661711.5  + 128646.8 | + 422.83  + 848.45  + 653.81 | + 12850.55
ERR     0.00        |   203.80  |        3.2        1.5        4.8   |   0.05      0.08      0.03   |     1.13

AGC   IN PLANES     +27795.25   | - 5292563.2  + 2170964.5  + 422053.8 | +1387.09  +2783.90  +2144.96 | + 42164.32
ENV   AN ECCTS      +28256.60   | - 5293952.5  + 2170969.7  + 422069.6 | +1387.25  +2783.63  +2145.07 | + 42160.60

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      PIPTIME:      3.976072[illegible]00  05     P63:  BRAKQUAL                          TPIP:      3.97607280000  05
                                                  ||||||||||||||

                    R AND RC                                                          V AND VG
  1.7887[illegible]3749  06  -5.179[illegible]9999  02  -1.8708[illegible]9999  05  1.023627758C2  02  -3.61204147338 -C1  1.1470[illegible]480171  03
  2.81[illegible]9999[illegible]  03  1.397499[illegible]999  02  -1.89548249999  C5  1.028427124C2  C2  -1.53465270996  C0  1.15150833129  03

                    LAND                                  TTF                          CG                          AFC
  1.7358518749[illegible]  06  -6.576249999999  C2  2.46C74999999  C3  -3.63427460937  02  1.00  0.00  0.00  4.87310346215  0C
                                                                                            0.00  1.00  0.00
                                                                                            0.00  0.00  1.00
                    TRANSIENT  0.184

                    UNFC                                                              UNWC
  1.181[illegible]1051941 -01  3.484[illegible]999 -C3  -9.92985950395 -01  9.94260715385 -01  -2.96100974656 -C4  -1.06983840672 -01

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          TIME      MASS    FWEICHT   FCCLD     AF      AFC      FP      FC      PIF   PIFPSET   REG55
THROTTLE: 397608.18 12613.31    C      344E    3.4292   4.8731   3448    4900     0     4096     4096

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          TIME      MODE  VERBNOUN    H     HDOT    TTF    RANGE   ABVEL   TTF LPD  FORVEL   DELTAH   THRCMO
DISPLAYS: 397608.43  63    6  63   42164  -  686  - 6  3   1024   37782   99 80    3778    99999    9999

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          CDUTIME     CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 397609.28   0.2746   83.4191   C.1428    0.0018  - 0.1106  - C.0287     ACTUAL
          397609.2[illegible]   0.4[illegible]64   83.5400   0.1647    0.0000  - 0.0988    0.0549     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39[illegible]9.279	+12574.07	- 1612752.9	+ 663401.9	+ 129945.9	+ 421.97	+ 842.01	+ 649.85	+ 12809.74
ENV	39760[illegible].279	+12787.49	- 1612751.6	+ 663402.8	+ 129950.5	+ 422.02	+ 842.83	+ 649.88	+ 12808.42
ERR	[illegible].00	213.42	2.1	0.8	4.5	0.04	0.08	0.03	1.32
AGC	IN FLIGHTS	+27720.81	- 5291187.6	+ 2176515.7	+ 426332.0	+1384.42	+2765.48	+2132.05	+ 42026.73
ENV	ANL FOOTS	+23191.31	- 5291180.6	+ 2176518.5	+ 426346.8	+1384.58	+2765.19	+2132.17	+ 42022.40

PIPTIME: 3.976[illegible] 05 P63: BRAKGUAD TPIP: 3.97609280000 05

R AND RG				V AND VG			
1.73391[illegible] 1249 06	-5.18[illegible] 02	-1.84799874999 05	9.99908[illegible]241C2 C1	-3.56245040893 -C1	1.14056248664 03
1.01549[illegible] 03	1.26740[illegible] 02	-1.87251749999 05	1.00465011596 02	-1.53007507324 CC	1.14502639770 03

LANE		TTF	CG			AFC
1.7[illegible] 06	-6.552[illegible] C3	2.45187[illegible]9999 C3	-3.6105996093 02	1.00 0.00 0.00		4.87676588818 00
				0.00 1.00 0.00		
TRANSIENT 0.180				0.00 0.00 1.00		

UNFC				UNWC		
1.21312[illegible]54 -01	3.52897[illegible] -03	-9.92608114995 -C1	9.94400334529 -01	-2.96510755178 -C4	-1.05678222774 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRUTTLE:	39761[illegible].19	12574.07	0	3445	3.4342	4.8767	3445	4893	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3.761C.43	03	6 63	42027	- 691	- 6 1	1011	37563	99 80	3756	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397611.28	0.856	83.3422	0.1098	0.0028	- 0.0341	- 0.0287	ACTUAL
	397611.28	[illegible].4364	83.4411	0.1647	0.0000	- 0.1647	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397611.[illegible]79	+12544.91	- 1611911.9	+ 665081.9	+ 131241.9	+ 421.12	+ 837.28	+ 645.50	+ 12767.37
ENV	397611.279	+12757.68	- 1611908.6	+ 665082.8	+ 131246.3	+ 421.18	+ 837.20	+ 645.94	+ 12765.91
ERR	[illegible]	212.97	3.3	0.8	4.3	0.05	0.08	0.04	1.45
AGC	IN POUNDS	+27657.5[illegible]	- 5288425.1	+ 2182027.5	+ 430583.9	+1381.65	+2747.01	+2119.10	+ 41887.71
ENV	AND FEETS	+28126.[illegible]2	- 5288414.2	+ 2182030.4	+ 430598.2	+1381.82	+2746.73	+2119.23	+ 41882.92

PIPTIME: 3.97611280000 05 P63: BRAKQUAL TPIP: 3.97611280000 05

	R AND RG			V AND VG	
1.7391[illegible]53749 06	-5.1918749[illegible]979 02	-1.82525249499 05	9.76384639739 01	-3.51285934448 -01	1.13404598236 03
2.16[illegible] 02	1.[illegible]36249[illegible]199 02	-1.84968249999 05	9.81067657470 01	-1.52549743652 00	1.13851051330 03

	LAND		TTF	CG	AFC
1.73589[illegible]7499 [illegible]	-6.528749[illegible]999 02	2.44299999999 03	-3.58688002929 02	1.00 0.00 0.00	4.87907091155 00
				0.00 1.00 0.00	
	TRANSIENT 0.191			0.00 0.00 1.00	

	UNFC			UNWC	
1.24454985073 -01	3.58375940818 -03	-9.92218782884 -01	9.94537443524 -01	-2.96913087547 -04	-1.04380004171 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TPFCTILE:	397612.19	12544.[illegible]	0	3452	3.4492	4.8790	3452	4884	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397612.43	6[illegible]	6 6[illegible]	41888	- 697	- 5 58	999	37343	99 80	3734	99999	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397613.28	[illegible].2156	83.1225	0.1428	0.0033	- 0.0977	- 0.0009	ACTUAL
	397613.28	[illegible].4 64	83.2214	0.1647	0.0000	- 0.1318	0.0659	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	397614.279	+12515.80	- 1611069.9 + 666749.9 + 132529.9	+ 420.26 + 831.66 + 641.95	+ 12724.68
ENV	397615.279	+12728.26	- 1611067.1 + 666751.6 + 132534.2	+ 420.31 + 831.57 + 641.99	+ 12723.05
ERR	1.0	212.49	2.6 1.6 4.2	0.05 0.09 0.03	1.62
AGC	IN FEETS	+27[illegible]	- 5245652.7 + 2187499.9 + 634805.7	+1378.82 +2728.56 +2106.14	+ 41747.66
ENV	ARE POINTS	+280[illegible].72	- 5245653.4 + 2187505.4 + 634823.7	+1378.99 +2728.26 +2106.27	+ 41742.32

PIPTIME: 3.97613280000 05 P63: BRAKQUAD TPIP: 3.97613280000D 05

R AND RC V AND VG

1.75930[illegible]7499	06	-5.19[illegible]74999999	02	-1.80263687499	05	9.53054590[illegible]537	01	-3.46326828002	-01	1.12752537727	03
3.40[illegible]99	03	1.0624[illegible]99999	02	-1.82657874999	05	9.57679748535	01	-1.52091979980	00	1.13199043273	03

LANC				TTF		CG				AFC			
1.7258[illegible]7499	06	-6.5045[illegible]999	02	2.43412499999	02	-3.56320463867	02	1.00	0.00	0.00	4.88296383991	00	
								0.00	1.00	0.00			
TRANSIENT 0.176								0.00	0.00	1.00			
UNFC								UNWC					
1.3751[illegible]	-1	3.63[illegible]1946522	-02	-9.91830214467	-01	9.94672069406	-01	-2.97300518139	-04	-1.03089213572	-01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397614.19	12515.80	0	3444	2.4492	4.8829	3444	4876	0	4096	4096

	TIME	MODE	VERBACUN	H	FDOT	TTF	RANGE	ABVFL	TTF LPD	FCPVEL	DELTAF	THPCMD
DISPLAYS:	397614.43	63	6 63	41748	- 702	- 5.56	987	37124	99.80	3711	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397615.28	1.2566	82.5246	0.0659	0.0920	- 0.0701	- 0.0811	ACTUAL
	397615.28	0.4164	83.0017	0.1647	0.0000	- 0.1098	0.0659	DESIRED

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                TIME      |     MASS      |                  XN                  |                  VN                  |   ALTITUDE
AGC   397615.279  |  +12400.77  |  - 1610229.9  +  668407.9  +  133809.9  |  + 419.36  + 826.03  + 638.00  |  +  12681.62
ENV   397615.279  |  +12698.63  |  - 1610227.4  +  668409.1  +  133814.3  |  + 419.42  + 825.04  + 638.03  |  +  12679.85
ERR       0.000   |    211.85   |        2.5        1.1          4.3     |    0.05      0.08      0.03    |      1.76

ACC   IN POUNDS   +27528.35   |  - 5282506.8  + 2192933.6  +  439009.1  | +1375.87  +2710.08  +2093.18  |  +  41606.38
ENV   AND FEETS   +27[illegible].41   |  - 5282898.3  + 2192943.5  +  439023.3  | +1376.05  +2709.79  +2093.28  |  +  41600.58

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      PIPTIME:        3.976152 00000  05          P63:  ERAKQUAD                          TPIP:        3.97615280000  05
                                                  ||||||||||||||

                    R AND RG                                                                V AND VG
   1.72945018745  06  -5.09562499999  02  -1.78015187499  05   9.30018901824  01  -3.31354141235  01   1.12098064422  03
   3.59824[illegible]9999  03   1.07[illegible]9999  02  -1.80440274999  05   9.34585571289  01  -1.50642295019  00   1.12544593811  03

                    LAND                                  TTF                                CG                    AFC
   1.71589[illegible]7499  06  -6.48124999999  02   2.42524999999  03  -3.53954331054  02   1.00  0.00  0.00   4.88523626700  00
                                                                                            0.00  1.00  0.00
                                                                                            0.00  0.00  1.00
                    TRANSIENT  0.177

                    UNFC                                                                    UNWC
   1.30581560849 -01   3.640 2518147 -03  -9.91430884948 -01   9.94804242917 -01  -2.97710297906 -04  -1.01805842870 -01

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                TIME        MASS      FWEIGHT   FCCLC      AF        AFC        FP        FC       PIF    PIFPSET   REG55
THROTTLE:   397616.19    12400.77       0       3451    3.4642     4.8852    3451      4867       0      4096      4096

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                TIME      MODE   VERBNOUN    R      HDOT     TTF     RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   397616.44     63      6  63    41606  -  708  - 5.54     974    36903    99.80     3690    99999     9999

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                CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   397617.2[illegible]   [illegible]   82.7380    0.0439     0.0066   - 0.0725   0.0719     ACTUAL
            397617.28   [illegible]   82.8808    0.1647     0.0000   - 0.0878   0.0549     DESIRED

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	TIME	MASS	RA			VN		ALTITUDE
AGC	[illegible]	+12457.81	- 1609291.9	+ 670055.9	+ 135081.9	+ 418.44	+ 820.41	+ 634.02	+ 12638.31
ENV	[illegible]	+12269.01	- 1609389.4	+ 670055.4	+ 135086.4	+ 418.49	+ 820.31	+ 634.06	+ 12636.31
ERR	0. [illegible]	211.19	2.5	0.5	4.4	0.05	0.09	0.03	1.99
AGC	IN PCLNFS	+27472.49	- 5280157.4	+ 2198346.4	+ 443182.4	+1372.84	+2691.64	+2080.14	+ 41464.27
ENV	ABC POINTS	+27510.09	- 5280149.2	+ 2198344.6	+ 443196.8	+1373.03	+2691.33	+2080.25	+ 41457.73

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PIPTIME: [illegible] 05 P63: BRAKGUAL TFIP: 3.97617280000 05

R AND RE				V AND VG		
[illegible] 06	[illegible] 02	-1.75779812499 05	9.07177448272 01	-3.36408615112 -01	1.11442179679 03
[illegible] 03	1.24[illegible] 02	-1.78156124999 05	9.11685943603 01	-1.51214599605 00	1.11888771057 03

LAND		TTF	CG			AFC
[illegible] 06	-6.45743[illegible] 02	2.41637499999 03	-3.51590083007 02	1.00 0.00 0.00		4.88750403746 00
				0.00 1.00 0.00		
TRANSIENT [illegible].175				0.00 0.00 1.00		

LNFC			UNWC		
1.33664[illegible] -01	3.74315[illegible] -01	-9.91024987830 -01	9.94933989055 -01	-2.98112629774 -04	-1.00529938575 -01

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	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39761.19	12457.81	0	3448	3.4692	4.8875	3448	4858	0	4096	4096

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	TIME	MODE	VERBANOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39761.43	63	6 63	41464	- 713	- 5 51	962	36683	99 80	3665	99999	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39761.28	0.0176	82.6721	0.1098	0.0065	- 0.0509	0.0608	ACTUAL
	39761.28	0.4364	82.7819	0.1647	0.0000	- 0.1538	0.0769	DESIRED

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          TIME      |   MASS     |          RN                    |          VN                    |   ALTITUDE
AGC   397619.279    | +12428.91  | - 1608555.9  + 671689.9  + 136345.9  | + 417.49  + 814.77  + 630.05  | + 12594.68
ENV   397619.279    | +12839.37  | - 1608553.4  + 671690.4  + 136350.5  | + 417.55  + 814.68  + 630.08  | + 12592.49
ERR       .00       |   21.40    |      2.5         0.4         4.5     |   0.05      0.09      0.03    |     2.19

AGC   IN POUNDS     +27470.75    | - 5277414.6  + 2203707.3  + 447329.3  | +1369.72  +2673.15  +2067.10  | + 41321.15
ENV   ARE ECCTS     +27854.77    | - 5277406.2  + 2203708.8  + 447344.3  | +1369.92  +2672.85  +2067.21  | + 41313.95

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                                          ||||||||||||||
      PIPTIME:      3.97619280000  05     P63:  ERAKQUAL                          TPIP:      3.97619280000  05
                                          ||||||||||||||

                    R AND RG                                                          V AND VG
  1.7345[illegible]2499  06  -[illegible]2137[illegible]999  02  -1.73557562499  05   8.84530544281  01  -3.31449508666  -01   1.10783882141  03
  3.56124[illegible]  03   1.2137[illegible]  02  -1.75965124999  05   8.88980865478  01  -1.50756835937  00   1.11230545043  03

                    LAND                                  TTF                          CG                          AFC
  [illegible]  -6.43[illegible]  02   2.40749999999  03  -3.49227973632  02   1.00  0.00  0.00   4.89077530801  00
                                                                                 0.00  1.00  0.00
                    TRANSIENT  [illegible]17                                      0.00  0.00  1.00

                    UNFC                                                          UNWC
  1.36615171  05  -01   3.50053864431  -03  -9.90616350739  -01   9.95061337571  -01  -2.98507511502  -04  -9.92614999038  -02

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          TIME       MASS      FWEIGHT   FCCLC     AF       AFC       FP       FC       PIF     PIFPSET   REG55
THROTTLE:  397620.19  12428.91    0       3450    3.4792   4.8907   3450     4850       0      4096      4096

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          TIME       MODE  VERBANOUN   H      HDOT     TTF     RANGE   ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:  397620.43   63     6  63   41321  -  719  - 5.49    950   36462    99.80     3647    99999     9999

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          COLTIME      COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:  97621.29    [illegible]  82.4523   0.0988    0.0051  - 0.0952   0.0400      ACTUAL
           97621.[illegible]  [illegible]  82.5622   0.1647    0.0000  - 0.1208   0.0769      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+12400.[illegible]	- 1607721.9	+ 673313.9	+ 1376C1.9	+ 416.52	+ 809.13	+ 626.07	+ 12550.56
ENV	397621.79	+12[illegible]9.74	- 1607719.2	+ 673314.1	+ 1376C6.7	+ 416.57	+ 809.04	+ 626.10	+ 12548.24
ERR	[illegible]	2.[illegible]	2.7	0.1	4.7	0.05	0.08	0.03	2.31
AGC	IN PCUNDS	+273[illegible]7.21	- 5274678.4	+ 2209935.4	+ 451450.1	+1366.56	+2654.64	+2054.04	+ 41176.38
ENV	ANC FCETS	+277[illegible].44	- 5274669.6	+ 2209036.0	+ 451465.7	+1366.73	+2654.35	+2054.15	+ 41168.78

PIPTIME: 3.976212[illegible] 05 P63: BRAKQUAD TPIF: 3.97621280000 05

	R AND C			V AND VG	
1.740C27749[illegible] 06	-5.222249[illegible] 02	-1.71348499999 05	8.61978C54C46 01	-3.26490402221 -01	1.10124177932 03
4.135E7[illegible]	1.18[illegible]	-1.73747124999 05	8.66371154785 01	-1.50209072265 00	1.10570869445 03

	LAND		TTF	CG			AFC
1.7585187495[illegible] 06	-6.405[illegible] 02	2.39862499999 03	-3.46866831054 02	1.00	0.00	0.00	4.893225961098 00
				0.00	1.00	0.00	
	TRANSIENT 0.174			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible] -01	3.0[illegible] -03	-9.90194442454 -01	9.95186314369 -01	-2.98909840844 -04	-9.80005629850 -02	

	TIME	MASS	FREIGHT	FCOLO	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRCTTLE:	397622.19	124[illegible]	0	3447	3.4842	4.8932	3447	4841	0	4096	4096

	TIME	MODE	VERBCUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMO
DISPLAYS:	762244	63	0 63	41176	- 725	- 5 46	938	36240	99 80	3624	99999	9999

	CLOTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397622.78	0.2295	6.2585	0.1518	0.0052	- 0.1154	0.0748	ACTUAL
	397621.28	0.4184	3.3425	0.1647	0.0006	- 0.1098	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39762[illegible]	+12371.31	- 1606889.9	+ 674925.9	+ 138849.9	+ 415.51	+ 803.49	+ 622.08	+ 12506.12
ENV	39762[illegible].279	+12380.10	- 1606887.1	+ 674926.6	+ 138854.9	+ 415.57	+ 803.40	+ 622.12	+ 12503.63
ERR	[illegible]	20.79	2.8	0.6	4.9	0.06	0.09	0.03	2.49
AGC	IN POUNDS	+27273.79	- 5271548.8	+ 2214324.1	+ 455544.6	+1363.24	+2636.14	+2040.95	+ 41030.59
ENV	AND FEETS	+27734.09	- 5271939.4	+ 2214326.2	+ 455560.9	+1363.44	+2635.84	+2041.07	+ 41022.41

PIPTIME: [illegible]762[illegible]00CC C5 P63: BRAKQUAD TPIP: 3.97623280000 05

R AND RG				V AND VG			
1.740[illegible]793769 C6	-5.[illegible]324[illegible] 02	-1.69152624999 05	8.39820284979 01	-3.21531295776 -01	1.09462060928 03		
4.[illegible] C[illegible]	1.15374[illegible]999 02	-1.71542374999 05	8.44158172607 01	-1.49841308593 00	1.09908790588 03		

LAND			TTF	CG			AFC
1.735[illegible] 06	-6.3862495[illegible]999 02	2.36574999999 03	-3.44507866210 02	1.00 0.00 0.00	4.89637721329 00		
				0.00 1.00 0.00			
TRANSIENT 0.168				0.00 0.00 1.00			

UNFC			UNWC		
1.42561[illegible] -01	3.[illegible]14721[illegible]326 -03	-5.89778151869 -01	9.95308950091 -01	-2.59274921281 -04	-9.67471152105 -02

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39762[illegible].19	12371.31	0	3454	3.4992	4.8963	3454	4833	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39762[illegible].43	63	6 63	41031	- 731	- 5.44	927	36018	99.80	3602	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39762[illegible].28	0.3295	82.0678	0.1428	0.0033	- 0.0947	0.0234	ACTUAL
	39762[illegible].2[illegible]	0.4064	82.2216	0.1647	0.0000	- 0.0878	0.0769	DESIRED

	TIME	MASS	RX	RY	RZ	VX	VY	VZ	ALTITUDE
AGC	397620.27	+12342.61	- 1606059.9	+ 676527.9	+ 140089.9	+ 414.49	+ 797.85	+ 618.08	+ 12461.31
ENV	397625.27	+1255.46	- 1606057.0	+ 676527.8	+ 140095.2	+ 414.54	+ 797.76	+ 618.13	+ 12458.65
ERR	[illegible]	2[illegible]7.84	2.9	0.1	5.2	0.05	0.08	0.04	2.66
AGC	IN PCUNDS	+2721[illegible].53	- 52692.5.7	+ 2219580.0	+ 459612.8	+1359.87	+2617.62	+2027.84	+ 40883.57
ENV	AND FOOTS	+[illegible]7661.74	- 5269219.9	+ 2219579.4	+ 459630.0	+1360.05	+2617.32	+2027.98	+ 40874.83

PIPTIME: 3.97625280000 05 PEG: BRAKQUAL TPIP: 3.97625280000 05

	R AND RC			V AND VG		
	1.74036[illegible]749 06	-5.2387499 99 02	-1.06965949999 05	8.17757129669 01	-3.16572189331 -01	1.08798542022 03
	4.47174[illegible] 03	1.23745[illegible] 01	-1.69350874099 05	8.22040557861 01	-1.49383544921 00	1.09245300292 03

	LANL	TTF	CG	AFC
	1.7[illegible]5891[illegible]749 06	-5.3[illegible] 02	2.38087499999 03	-3.42149902578 02	1.00 0.00 0.00	4.89834928885 00
					0.00 1.00 0.00	
	T ANSIENT 0.17[illegible]				0.00 0.00 1.00	

	UNFC			UNWC		
	1.45[illegible] -1	3.7[illegible]7257117 -03	-9.89345[illegible]8796 -01	9.95429269076 -01	-2.99632540017 -04	-9.55012067295 -02

	TIME	MASS	PWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97626.3[illegible]	12342.61	0	3451	3.5342	4.8583	3451	4824	0	4096	4096

	TIME	MODT	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397626.63	63	6 63	40884	- 737	- 5.42	915	35795	99.80	3577	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397627.28	0.24[illegible]5	82.0458	0.1208	0.0022	0.0476	- 0.0264	ACTUAL
	97627.00	[illegible].4 64	26.1447	0.1647	0.0000	- 0.1647	0.0768	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3976[illegible]79	+12313.9[illegible]	- 1605231.9	+ 678117.9	+ 141321.9	+ 413.43	+ 792.20	+ 614.09	+ 12416.18
ENV	3978[illegible]79	+12520.81	- 1605228.5	+ 678117.6	+ 141327.5	+ 413.48	+ 792.11	+ 614.13	+ 12413.36
ERR	[illegible]	206.82	3.0	0.3	5.5	0.05	0.09	0.03	2.81
AGC	IN POUNDS	+27147.41	- 5266509.1	+ 2224796.5	+ 463654.8	+1356.40	+2599.09	+2014.74	+ 40735.52
ENV	AND FEETS	+27601.39	- 5266499.2	+ 2224795.5	+ 463672.9	+1356.58	+2598.79	+2014.86	+ 40726.27

PIPTIME: 3.976272800000 05 PBI: BRAKQUAL TPIP: 3.97627280000 05

R AND RG			V AND VG		
1.740[illegible] 6[illegible] 06	-5.244-9999999 02	-1.648C06B7499 05	7.959[illegible]8082885 01	-3.0159[illegible]9502563 -01	1.08133625984 03
6.63[illegible] 9 02	1.09374[illegible]999 02	-1.67172624999 05	8.00212B601C7 01	-1.47[illegible]3959960 00	1.08580436706 03

LAND		TTF	CG			AFC
1.7358[illegible] 06	-6.338749999999 02	2.371999999999 02	-3.3979[illegible]398437 02	1.00 0.00 0.00		4.90154139697 00
				0.00 1.00 0.00		
TRANSIENT [illegible].164				0.00 0.00 1.00		
UNFC				UNWC		
1.463716[illegible]97 -01	3.982[illegible]2623B -03	-9.88923661528 -01	9.95547297667 -01	-3.00005074744 -04	-9.42628670439 -02	

	TIME	MASS	FWEIGHT	FCOLE	AF	AFC	FP	FC	P1F	P1FPSFT	REG55
THROTTLE:	3976[illegible]33	12[illegible]	C	3448	3.5092	4.5015	3448	4816	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LFD	FORVEL	DELTAH	THRCMO
DISPLAYS:	[illegible]762[illegible]61	6[illegible]	6 63	40726	- 743	- 5[illegible]9	903	35572	99.80	3553	99999	9999

	CLLTIME	CLUX	COLY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97629.[illegible]	[illegible].2515	61.8591	0.1867	- 0.0001	- 0.2037	- 0.0362	ACTUAL
	97629.28	0.4064	91.9250	0.1847	0.0000	- 0.1318	0.0769	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+122[illegible]4.67	- 1604405.9	+ 6706955.9	+ 1425455.5	+ 412.35	+ 786.54	+ 610.08	+ 12370.56
ENV	[illegible]	+124[illegible]1.16	- 1604493.0	+ 6706606.2	+ 1425551.7	+ 412.41	+ 786.45	+ 610.12	+ 12367.63
ERR	0.0	20[illegible].45	2.9	6.2	5.7	0.06	0.09	0.04	2.92
ACC	[illegible] FEDERICO	+27082.78	- 5263799.2	+ 2229973.7	+ 4676706.6	+1352.86	+2580.54	+2001.58	+ 40585.83
ENV	ALL POINTS	+27[illegible]8.02	- 5263789.5	+ 2229974.6	+ 4676889.4	+1353.06	+2580.23	+2001.72	+ 40576.22

PIPTIME: 3.97629280000 05 P63: BRAKGUAD TPIP: 3.97629280000 05

	R AND RC			V AND VG		
[illegible]	-5.2512[illegible] 02	-1.62644[illegible]7499 D5	7.7431[illegible]26696 C1	-2.96640[illegible]96118 -C1	1.07466316223 03
[illegible]	1.6[illegible]749[illegible] 02	-1.6500[illegible]7749999 C5	7.7848[illegible]344482 D1	-1.4747[illegible]96289 C0	1.07913169860 D3

	LAND	TTF	CG			AFC
[illegible]	-6.31[illegible] 02	2.3631249[illegible]9999 C5	-3.3743889[illegible]16C1 02	1.00 0.00 0.00		4.9036436[illegible]5768 0D
				0.00 1.00 0.00		
	TRANSIENT 0.166			0.00 0.00 1.00		

	UNFC			UNWC		
[illegible] -01	4.045[illegible]217 -[illegible]	-9.8848166940[illegible] -[illegible]	9.9566306467[illegible] -01	-3.0037015540[illegible] -04	-9.3032098884[illegible] -02	

	TIME	MASS	FRCLIGHT	FCOLD	ΔF	ΔFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]30.32	1[illegible]4.[illegible]	0	344[illegible]	3.6192	4.9036	3449	4806	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCPVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7630.61	63	6 62	40586	- 750	- 5.37	891	35349	59.80	3532	59999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7631.28	[illegible].425	81.5734	0.1757	- 0.0003	- 0.0590	- 0.0583	ACTUAL
	[illegible]7631.2[illegible]	[illegible].4364	81.7053	0.1647	0.0000	- 0.1098	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3976[illegible]27	+12255.42	- 1603581.9	+ 6812636.9	+ 1437616.9	+ 411.23	+ 780.89	+ 606.07	+ 12324.62
ENV	397631.279	+12461.51	- 1603575.3	+ 6812636.5	+ 1437676.9	+ 411.29	+ 780.79	+ 606.11	+ 12321.50
ERR	0.00	216.0	2.6	0.4	5.9	0.06	0.09	0.04	3.11
AGC	IN POUNDS	+27018.30	- 5261795.8	+ 2235118.1	+ 471660.1	+1349.19	+2562.00	+1988.43	+ 40435.12
ENV	AND FEETS	+27470.65	- 5261867.0	+ 2235116.5	+ 471679.7	+1349.40	+2561.67	+1988.57	+ 40424.89

TPIPTIME: 3.976312[illegible] 05 PEG: BRAKQUAL TPIP: 3.97631280000 05

		R AND RC						V AND VG							
1.7498[illegible]48[illegible]45	05	-5.2568749[illegible]559	02	-1.6C502062499	05	7.53035068511	01	-2.81667709350	-01	1.06797614097	03				
4.5[illegible]5[illegible]99	03	1.8[illegible]	02	-1.62856269999	05	7.57152557373	01	-1.46026611328	00	1.07244491577	03				
		LAND				TTF		CG				AFC			
1.73[illegible]91[illegible]749	06	-6.2[illegible]1245[illegible]555	02	2.35424999999	03	-3.35086386718	02	1.00	0.00	0.00		4.90632839500	00		
								0.00	1.00	0.00					
		TRANSIENT 2.161						0.00	0.00	1.00					
		UNFC						UNWC							
1.540[illegible]614	-01	4.59337[illegible]	-03	-9.88052160169	-01	9.95776595823	-01	-3.00705429037	-04	-9.18089363132	-02				

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397632.39	12255.42	0	3451	3.5202	4.9063	3451	4798	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3976[illegible]2.61	6	6 63	40435	- 756	- 5.35	880	35125	99.80	3510	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397633.2[illegible]	0.3625	81.4746	0.1577	0.0031	- 0.0842	- 0.0000	ACTUAL
	397632.29	0.4064	81.5625	0.1647	0.0000	- 0.0769	0.0769	DESIRED

	TIME	MASS	IN			VN			ALTITUDE
AGC	397[illegible].79	+12226.24	- 1602761.9	+ 682819.9	+ 144969.9	+ 410.10	+ 775.24	+ 602.06	+ 12278.31
ENV	397633.79	+12431.85	- 1602757.8	+ 682819.4	+ 144976.2	+ 410.15	+ 775.14	+ 602.10	+ 12275.01
ERR	0.00	205.60	4.1	0.5	6.2	0.05	0.09	0.03	3.29
AGC	IN FEETS	+26552.9[illegible]	- 5258415.5	+ 2240223.0	+ 475623.3	+1345.47	+2543.44	+1975.27	+ 40283.17
ENV	ANL FEETS	+27407.26	- 5258392.0	+ 2240221.3	+ 475643.7	+1345.65	+2543.12	+1975.39	+ 40272.35

TIPTIME: 3.97633280000 05 P63: BRAKQUAD TPIF: 3.97633280000 05

	R AND RG					V AND VG			
	1.740[illegible]31249 06	-5.2624391[illegible]99 [illegible]2	-1.58372812499 [illegible]5	7.3185110[illegible]921	C1	-2.66695022583	-C1	1.06127519407	03
	[illegible].C-14[illegible]99 03	1.00[illegible]9999999 02	-1.60718249999 05	7.35912322998	01	-1.44577026367	CC	1.06574440002	03

	LANL		TTF		CG			AFC	
	[illegible] 16	-6.2[illegible]74[illegible]99 02	2.34537499999 03	-3.32734169921	02	1.00 0.00	0.00	4.90950866160	00
						0.00 1.00	0.00		
	TRANSIENT 0.162					0.00 0.00	1.00		

	UNFC				UNWC			
1.[illegible]505 -01	[illegible].691[illegible]734191 -02	-9.87611740680 -01	9.95887919659	-01	-3.01025805423	-04	-9.05933819837	-02

	TIME	MASS	FREIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	397634.33	12226.24	0	3447	3.5342	4.5055	3447	4789	0	4096	4096

	TIME	MODE	VERBACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397634.61	63	6 63	40283	- 762	- 5.32	868	34901	99.80	3487	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397635.28	0.435	81.4306	0.1977	0.0950	0.0324	- 0.0256	ACTUAL
	397635.28	0.4164	81.4855	0.1647	0.0000	- 0.1538	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397635.79	+12107.13	- 1601941.9	+ 6843650.9	+ 1461690.9	+ 408.92	+ 760.57	+ 598.03	+ 12231.68
ENV	397635.79	+12107.19	- 1601938.7	+ 6843640.0	+ 1461763	+ 408.99	+ 760.47	+ 598.07	+ 12228.13
ERR	0.00	2.05	3.2	1.9	6.3	0.06	0.09	0.04	3.55
AGC	IN POUNDS	+26889.81	- 5255715.2	+ 2245295.2	+ 4795606.3	+1341.62	+2524.84	+1962.05	+ 40130.20
ENV	AND FEETS	+27341.87	- 5255704.5	+ 2245286.0	+ 4795813	+1341.83	+2524.52	+1962.20	+ 40118.54

PIPTIME: 3.976350000 05 PGS: BRAKQUAD TPIP: 3.976350000 05

R AND RG			V AND VG	
1.741127624[illegible] C6	-5.2[illegible] 02	-1.562569999999 05	7.109608650 20 01	-2.517223356 15 -01	1.05454030036 03
[illegible]	[illegible]	[illegible] 01	-1.685934999999 05	7.149696350009 01	-1.430809294433 00	1.05900993347 03

LAND			TTF		CG			AFC
1.735891874999 06	-6.243749999999 02	2.336499999999 03	-3.630385981445 02	1.00	0.00	0.00	4.910696297[illegible] 00
				0.00	1.00	0.00	
TRANSIENT 0.161				0.00	0.00	1.00	

UNFC				UNWC		
1.59[illegible] -01	4.0[illegible]571 -03	-9.671652934[illegible] -01	9.959970615[illegible] -01	-3.013238281[illegible] -04	-8.938547137[illegible] -02

	TIME	MASS	FREIGHT	FCCLC	ΔF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397636.33	12197.13	0	3459	3.5541	4.9106	3459	4779	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397630.61	63	6 63	40130	- 768	- 5.30	857	34676	99.80	3465	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397637.28	0.[illegible]45	81.2876	0.2197	0.0077	- 0.1253	0.0873	ACTUAL
	397637.28	0.[illegible]64	81.2658	0.1647	0.0000	- 0.1208	0.0659	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]	+1[illegible]	- 1[illegible] + 685897.9 + 147361.9	+ 407.74 + 763.90 + 594.00	+ 12184.62
ENV	[illegible]	+12372.[illegible]	- 1[illegible]1121.9 + 685897.3 + 147368.5	+ 407.81 + 763.80 + 594.04	+ 12180.90
ERR	[illegible]	[illegible]	4.0 0.6 6.5	0.06 0.10 0.04	3.72
AGC	IN PLANE	+2[illegible].79	- 2253138. + 2250321.5 + 483471.1	+1337.76 +2506.24 +1948.83	+ 39975.80
ENV	ANGLE FOUND	+2727[illegible].47	- 2253024.7 + 2253319.4 + 483492.5	+1337.96 +2506.91 +1948.98	+ 39963.59

TITIME: 3.97637280000D 05 P63: BRAKQUAL TPIP: 3.97637280000D 05

R AND RG			V AND VG		
1.741267[illegible] 06	-[illegible] 02	-1.541546E7499 05	6.900653837511 01	-2.367496490 47 -01	1.047801542 28 03
[illegible] 02	[illegible] 01	-1.5648237499 9 05	6.940193176 76 01	-1.416397094 72 00	1.052271652 22 03

LAND			TTF		CG			AFC
[illegible] 06	-[illegible] 02	2.327624999 99 03	-3.280375974 56 02		1.00	0.00	0.00	4.914060700 68 00
					0.00	1.00	0.00	
TRANSIENT [illegible].160					0.00	0.00	1.00	

UNFC				UNWC		
1.624[illegible] -01	4.[illegible]92 3322163 -03	-9.867153759 92 -01	9.961040467 75 -01	-3.016218520 71 -04	-8.818524265 53 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	12168.09	0	3451	3.5541	4.9140	3451	4771	0	4096	4096

	TIM	MCLE	VERMACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	[illegible]	6 63	39976	- 775	- 5 28	845	34451	99 [illegible]	3442	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	[illegible]	81.1560	0.2856	0.0091	- 0.1024	0.1139	ACTUAL
	[illegible]	[illegible]	81.0461	0.1847	0.0000	- 0.1098	0.0659	DESIRED

	TIME	MASS	EN			VN			ALTITUDE
AGC	39763[illegible]	+12139.12	- 16[illegible]311.9	+ 687419.9	+ 148545.9	+ 406.54	+ 759.22	+ 589.97	+ 12137.12
ENV	39763[illegible].278	+12342.86	- 16[illegible]307.5	+ 687419.2	+ 148552.5	+ 406.60	+ 758.11	+ 590.01	+ 12133.18
ER	[illegible]	2[illegible]3.73	4.4	0.7	6.5	0.05	0.10	0.04	3.94
ACC	IN POUNDS	+26751.91	- 5250367.4	+ 2255314.9	+ 487355.6	+1333.80	+2487.59	+1935.60	+ 39819.96
ENV	AND FEETS	+27211.07	- 5250352.7	+ 2255312.6	+ 487377.2	+1333.99	+2487.26	+1935.74	+ 39807.03

PIPTIME: [illegible].976392[illegible] CC C5 PEG: PRAKQUAD TPIP: 3.97639280000 05

	R AND RG			V AND VG	
1.741[illegible]	C6	-5.76[illegible] 02	-1.52065974999 -5	6.69365406036 01	-2.11763381958 -01	1.04103894233 03
[illegible]	[illegible]	[illegible]1874[illegible] 01	-1.54384624999 C5	6.72263549804 01	-1.39198303222 C0	1.04550933837 03

	LAND		TTF	CG			AFC
[illegible]	-6.156[illegible] C2	2.31874999999 C3	-3.25652055664 02	1.00 0.00 0.00	0.00 1.00 0.00	0.00 0.00 1.00	4.91642858833 00
	TRANSLNT C.162						

	UNFC			UNWC		
[illegible]	4.[illegible] -C3	-5.86250406418 -01	9.96208904376 -01	-3.01882621823 -04	-8.69926876694 -02	

	TIME	MASS	FWEIGHT	FCCLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39764C.34	121[illegible].12	C	3459	3.5641	4.9164	3452	4762	C	4096	4096

	TIME	MODE	VERBNOUN	F	RDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	764[illegible].64	63	6 63	39820	- 782	- 5.25	834	34225	99.80	3410	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39764[illegible].6[illegible]	0.4[illegible]4	80.8523	C.2735	0.0083	- 0.1560	0.1258	ACTUAL
	39764[illegible].28	0.4[illegible]4	80.9033	0.1647	0.0000	- 0.0988	0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]7641.27[illegible]	+1211[illegible].22	- 1[illegible]9.9	+ 488931.9	+ 149721.9	+ 405.36	+ 752.53	+ 585.94	+ 12089.12
ENV	[illegible]97641.[illegible]79	+12313.18	- 1509435.5	+ 488929.8	+ 149728.5	+ 405.36	+ 752.43	+ 585.98	+ 12085.03
ERR	[illegible]	2.2[illegible]	4.4	2.1	6.5	0.05	0.10	0.04	4.09
AGC	IN FLIGHT	+26698.21	- 5247703.4	+ 2260275.5	+ 491213.9	+1329.73	+2468.94	+1922.38	+ 39662.48
ENV	ANALYSIS	+27145.65	- 5247688.7	+ 2260268.4	+ 491235.5	+1329.93	+2468.60	+1922.51	+ 39649.06

PIPTIME: 3.97641280000 05 P63: BRAKCUAD TPIP: 3.97641280000 05

	R AND RG			V AND VG		
1.741[illegible] 06	-5.2806245[illegible] 02	-1.49990562499 05	6.48960550362 01	-1.76858901977 -01	1.03426256179 03	
5.6[illegible] 03	[illegible] 01	-1.52300409999 05	6.52809143066 01	-1.35726928710 00	1.03873329162 03	

	LANE		TTF	CG			AFC	
1.7[illegible] 02	-1.1724[illegible]	2.30987449999 03	-3.23347597656 02	1.00 0.00 0.00			4.91815386340 00	
				0.00 1.00 0.00				
TRANSIENT 0.159				0.00 0.00 1.00				

	UNPC			UNWC		
1.[illegible]79[illegible] -01	[illegible]	-9.85788221652 -01	9.96311662586 -01	-3.02098688599 -04	-8.58078069300 -02	

	TIME	MASS	PWEIGHT	FCOLD	AF	AFC	FP	FC	RIF	RIFPSET	REG55
THROTTLE:	[illegible]7642.[illegible]	1211[illegible].22	0	3449	3.5651	4.9181	3449	4752	0	4096	4096

	TIME	MODE	VERBACUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7642.61	63	6 63	39662	- 789	- 5.23	823	33999	99.80	3357	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]97643.[illegible]	0.4174	0.7934	0.5153	0.0063	0.0229	0.0657	ACTUAL
	[illegible]7643.29	[illegible].4164	0.8264	0.1647	0.0000	- 0.1757	0.0329	DESIRED

	TIME	MASS	R			V			ALTITUDE
AGC	[illegible]	+12081.30	- 1598689.9	+ 690431.9	+ 150889.9	+ 404.02	+ 746.83	+ 581.90	+ 12040.74
ENV	[illegible]	+12283.51	- 1598686.0	+ 690429.0	+ 150896.5	+ 404.08	+ 746.73	+ 581.95	+ 12036.47
ERR	[illegible]	29.11	3.9	2.9	6.5	0.06	0.09	0.04	4.27
AGC	IN POUNDS	+[illegible]34.64	- 5245045.9	+ 2265196.8	+ 495045.9	+1325.53	+2450.24	+1909.14	+ 39503.77
ENV	AND FEETS	+2703.23	- 5245033.1	+ 2265187.0	+ 495067.3	+1325.74	+2449.91	+1909.30	+ 39489.73

PIPTIME: 3.97643280000 05 P63: BRAKQUAL TPIP: 3.97643280000 05

	R AND VG			V AND VG	
1.74166[illegible]1249 06	- 5.28374[illegible]9999 02	-1.47928874999 05	6.28850936389 01	-1.31940841674 -01	1.02745237350 03
5.77137[illegible]1999 03	[illegible]8.64199999999 01	-1.50229874999 05	6.32644653320 01	-1.31263732910 00	1.03192329406 03

	LAND		TTF		CG			AFC
1.73589187499 06	-6.14874999999 02	2.30099999999 03	-3.21006538085 02		1.00	0.00	0.00	4.92010731250 00
					0.00	1.00	0.00	
	TRANSIENT 0.154				0.00	0.00	1.00	

	UNFC			UNWC		
1.70[illegible]2 -01	[illegible]8241[illegible]755 -03	-9.85332454975 -01	0.96412341739 -01	-3.02292408049 -04	-8.46306909323 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TPROTTLE:	[illegible]7644.33	12051.29	0	3460	3.5891	4.9201	3460	4743	0	4096	4096

	TIME	MOD	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7644.61	63	6 63	39504	- 796	- 5 21	812	33772	99 80	3374	99999	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7645.28	0.4234	80.6066	0.4724	- 0.0015	- 0.1546	- 0.1036	ACTUAL
	[illegible]	0.[illegible]4	8[illegible].6066	0.1647	0.0000	- 0.1428	0.0109	DESIRED

	TIME	MASS	RA			VN		ALTITUDE
ACC	[illegible]	+12052.63	- 1597883.9	+ 691917.9	+ 152049.9	+ 402.72	+ 741.12	+ 11991.93
ENV	[illegible]	+12253.83	- 1597879.2	+ 691916.7	+ 152056.4	+ 402.79	+ 741.03	+ 11987.48
ERR	[illegible]	201.20	4.7	1.2	6.4	0.06	0.09	4.45
AGC	IN PROGRESS	+[illegible]	- 5242318.9	+ 2270072.1	+ 498851.7	+1321.28	+2431.52	+1895.93	+ 39343.62
ENV	ANE FOUT	+27014.75	- 5242385.8	+ 2270068.1	+ 498872.7	+1321.49	+2431.20	+1896.09	+ 39329.00

PIPTIME: 3.97645[illegible]000 05 P63: BRAKQUAD TPIP: 3.97645280000 05

	R AND G			V AND VG		
[illegible]	[illegible] 06	-[illegible] 02	-1.45880812499 05	6.0[illegible]3665C848 01	-7.7009201049[illegible] -02	1.0206384[illegible]1819 03
[illegible]	[illegible] 03	8.38745[illegible] 01	-1.48172999999 05	6.12579345703 01	-1.25809715820 00	1.02510986328 03

	LAND		TTF	CG			AFC
[illegible]	-5.1245999[illegible] 02	2.29212499999 03	-3.18665825195 02	1.00	0.00	0.00	4.92275455691 00
				0.00	0.00	0.00	
	TRANSIENT 0.156			0.00	0.00	1.00	

	UNFC				UNWC		
1.7[illegible] -01	[illegible] -02	-9.84866179449 -01	9.96510972134 -01	-3.02404164379 -04	-8.34613141945 -02		

	TIME	MASS	PWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3976[illegible]	12052.63	[illegible]	3451	3.5[illegible]91	4.9227	3451	4734	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]764.61	63	6 03	39344	- 803	- 5.18	801	33545	55.80	3351	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.7647[illegible]	0.4284	0.4309	0.2856	- 0.0038	- 0.0621	- 0.1775	ACTUAL
	[illegible]7647[illegible]	0.4364	0.3865	0.1647	0.0000	- 0.1208	- 0.0109	DESIRED

	TIME	MASS	POS			VN			ALTITUDE
AGC	397647.79	+12023.93	- 1597779.5	+ 663395.9	+ 1532201.9	+ 401.39	+ 735.46	+ 573.83	+ 11942.81
ENV	397647.279	+12224.14	- 1597774.9	+ 663393.1	+ 1532208.2	+ 401.46	+ 735.33	+ 573.88	+ 11938.13
ERR	0.00	200.21	5.0	2.8	6.2	0.06	0.11	0.04	4.68
AGC	TK POUNDS	+26507.96	- 5235763.7	+ 2274921.2	+ 5026312.2	+1316.91	+2412.87	+1882.65	+ 39182.45
ENV	AND RECTS	+26949.35	- 5239747.2	+ 2274911.8	+ 5026516.6	+1317.12	+2412.51	+1882.81	+ 39167.09

PIPTIME: 3.976472800CD 05 P63: BRAKQUAD TPIP: 3.976472800CD 05

	R AND RG			V AND VG	
1.7415 687655 06	-5.1346374999 02	-1.4384637499 05	5.8921718597 01	-4.2104721069 -02	1.0138106346 03
1.0140 [illegible] 03	3.1374999999 01	-1.4612562499 05	5.9290655195 01	-1.2237548828 00	1.0182823181 03

	LAND		TTF	CG			AFC
1.7352 [illegible]7499 06	-6.1012499999 02	2.2832499999 03	-3.1632624034 02	1.00	0.00	0.00	4.9250992015D 00
				0.00	1.00	0.00	
	TRANSIENT 0.146			0.00	0.00	1.00	

	UNFC			UNWC		
1.75[illegible]773 -01	3.5[illegible]9999 -03	-9.8441915134 -01	9.9660758079 -01	-3.0249357043 -04	-8.2299686477 -02	

	TIME	MASS	FWEIGHT	FCCLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397648.33	12023.93	0	3453	3.5991	4.9250	3453	4725	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397648.61	63	6 63	39182	- 810	- 5 16	790	33317	99 80	3329	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397648.28	0.4384	80.2111	0.2197	- 0.0003	- 0.0479	- 0.0685	ACTUAL
	397649.28	0.4364	80.2441	0.1647	0.0000	- 0.0878	- 0.0109	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+11994.57	- 1596277.9	+ 694859.9	+ 154345.9	+ 400.04	+ 729.75	+ 569.76	+ 11893.12
ENV	39765.27	+121 4.47	- 1596273.3	+ 694859.1	+ 154351.9	+ 400.10	+ 729.64	+ 569.81	+ 11888.30
ERR	[illegible]	[illegible]	4.6	1.8	5.9	0.05	0.10	0.04	4.82
AGC	IN SECONDS	[illegible]	- 5237132.5	+ 2279724.4	+ 506384.5	+1312.49	+2394.20	+1869.31	+ 39019.43
ENV	AND [illegible]TS	[illegible]	- 5237117.3	+ 2279718.2	+ 506403.9	+1312.67	+2393.85	+1869.46	+ 39003.61

FIPTIME: 3.97649280000 05 P63: PRAKQUAD TPIP: 3.97649280000 05

	R AND RG			V AND VG	
1.74[illegible]74999 6	-5.287499[illegible]999 02	-1.41825[illegible]24999 5	5.65692611654 01	-1.71184532754 -02	1.00695910453 03
[illegible]	7.[illegible]999 01	-1.44099999999 05	5.73329925537 01	-1.19895935058 00	1.01143112182 03

	LAND		TTF		CG			AFC
1.7[illegible]7493 [illegible]	-6.07749999999 02	2.27437499999 03	-3.13989355468 02		1.00	0.00	0.00	4.92634251713 00
					0.00	1.00	0.00	
	TRANSIENT 0.151				0.00	0.00	1.00	

	UNFC			UNWC		
[illegible]	[illegible]	-9.83949793270 -01	9.96702192375 -01	-3.02523373999 -04	-8.11458452039 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39765.33	11[illegible].57	0	3454	3.6091	4.9263	3454	4715	0	4096	4096

	TIME	MODE	VERBNOUN	H	FLOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39765.61	63	6 63	39019	- 817	- 5 14	779	33095	99 80	3305	99999	9999

	CDUTIM	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39765.62	0.4394	80.2441	0.2087	0.0017	0.0223	- 0.0715	ACTUAL
	37051.28	1.4164	80.1672	0.1647	0.0000	- 0.1647	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397651.279	+11968.29	- 1595479.9	+ 696313.9	+ 155479.9	+ 398.66	+ 724.06	+ 565.68	+ 11843.06
ENV	397651.279	+12164.77	- 1595474.5	+ 696311.7	+ 155487.4	+ 398.72	+ 723.95	+ 565.73	+ 11838.06
ERR	[illegible]	199.47	5.4	2.2	7.4	0.06	0.10	0.04	5.00
AGC	IN POUNDS	+26276.65	- 5234514.4	+ 2284494.7	+ 510104.9	+1307.95	+2375.53	+1855.91	+ 38855.19
ENV	AN FCCTS	+26818.45	- 5234496.5	+ 2284487.2	+ 510129.4	+1308.15	+2375.17	+1856.07	+ 38838.78

PIPTIME: 3.9765128 0CC 05 PEG: BRAKQUAD TPIP: 3.97651280CC0 05

	R AND RG			V AND VG		
1.7421[illegible]474999 C6	-5.287[illegible]	02	-1.39818562499 5	5.50463676452 01	-2.1457672[illegible]91 -03	1.00008387565 03
-0.242[illegible] 3	7.6[illegible]99	01	-1.42084124999 05	5.54050445556 C1	-1.18446350097 C0	1.00455589294 03

	LAND		TTF		CG			AFC	
1.735[illegible]197444 06	-6.053749999999 02		2.26549999999 C3	-3.116552C9960 02	1.00	0.00	0.00	4.92802355438	00
					0.00	1.00	0.00		
	TRANSIENT	.144			0.00	0.00	1.00		

	UNFC				UNWC		
1.80[illegible]017424 -01	3.4797[illegible]21105 -0[illegible]	-9.83498094405 -01	9.96794833931 -01	-3.02538275475 -C4	-7.99997969818 -02		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397652.33	11965.29	0	3455	3.6191	4.9280	3455	4705	0	4096	4096

	TIME	MODE	VERBNOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	397652.61	63	6 63	38855	- 824	- 5 11	768	32860	99 80	3283	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397653.28	0.4804	80.0244	0.1807	0.0026	- 0.2446	- 0.0133	ACTUAL
	397653.28	0.4764	79.9475	0.1647	0.0000	- 0.1318	0.0000	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	397653.79	+11936.07	- 1594683.9	+ 697755.9	+ 1566070.9	+ 397.26	+ 718.36	+ 561.60	+ 11792.56
ENV	397653.79	+12135.7	- 1594678.4	+ 697753.0	+ 1566140.8	+ 397.33	+ 718.25	+ 561.64	+ 11787.37
ERR	0.00	199.00	5.5	2.0	6.8	0.06	0.10	0.04	5.18
AGC	IN POUNDS	+26314.2	- 5231902.8	+ 2289225.7	+ 5138059.7	+1303.35	+2356.83	+1842.52	+ 38689.50
ENV	ANI POUNDS	+26752.9	- 5231884.7	+ 2289218.9	+ 5138828.2	+1303.58	+2356.48	+1842.66	+ 38672.50

FIPTIME: 3.97653280000 05 P63: BRAKQUAD TPIP: 3.97653280000 05

	R AND RC			V AND VG		
1.74224 3749	-5.28743[illegible] 999	-1.37825312499 05	5.31330585479 01	2.28404998779 -02	9.93195009231	02
[illegible]	7.42495[illegible] 999	-1.40081999999 05	5.34866333007 01	-1.15966796875 00	9.97667312622	02

	LAND		TTF	CG			AFC	
1.72[illegible]	-6.25[illegible]	2.25662499999 05	-3.09321972656 02	1.00	0.00	0.00	4.93020983412	00
				0.00	1.00	0.00		
	TRANSIENT 0.146			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] -01	0.42[illegible]671 52 -02	-9.83031600864 -01	9.96885528805 -01	-3.02545723478 -04	-7.88615934647	-02

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRITTLE:	397654.33	11936.07	0	3451	3.6241	4.5302	3451	4695	0	4096	4096

	TIME	MODE	VERBNOUN	H	FCOT	TTF	RANGE	ARVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	397654.01	63	0 63	38690	- 931	- 5 9	757	32631	99 80	3260	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397654.28	0.4504	79.6618	0.1428	0.0103	- 0.0958	0.1220	ACTUAL
	397652	0.4364	79.8048	0.1647	0.0000	- 0.0988	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397[illegible].79	+11[illegible].52	- 1593389.9	+ 659187.9	+ 357727.9	+ 395.82	+ 712.68	+ 557.50	+ 11741.68
ENV	397[illegible].279	+12135.37	- 1593885.2	+ 659184.7	+ 357734.0	+ 395.88	+ 712.56	+ 557.54	+ 11736.26
ER	[illegible]	1[illegible].45	4.7	3.2	6.0	0.06	0.11	0.04	5.42
AGC	IN POUNDS	+2625[illegible].0	- 5225267.5	+ 2293923.8	+ 517480.3	+1298.64	+2338.19	+1829.07	+ 38522.59
ENV	ANL FLCTS	+2668[illegible].51	- 5229252.3	+ 2293913.2	+ 517500.1	+1298.85	+2337.82	+1829.22	+ 38504.79

PIPTIME: 3.97655290000 05 PBS: BRAKQUAD TPIP: 3.97655280000 05

	R AND RG				V AND VG	
1.742[illegible]	-5.28687[illegible] 02	-1.35845812499 05	5.12592315673 01	2.77996063232 -02	9.86292505264 02
6.455[illegible]	7.18743[illegible] 01	-1.38093624959 05	5.16075134277 01	-1.15509033203 00	9.90765380859 02

	LAND		TTF	CG			AFC
4.72[illegible]	-6.06249999999 02	2.24774999999 03	-3.06989516992 02	1.00 0.00 0.00			4.93175815790 00
	TRANSIENT 6.140			0.00 1.00 0.00			
				0.00 0.00 1.00			

	UNFC			UNWC		
1.6[illegible]8[illegible]7486 -01	3.485[illegible]66447C1 -03	-9.82579860691 -01	9.96974305389 -01	-3.02523374882 -04	-7.77312219977 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THRITTLE:	397656.32	11[illegible]	0	3452	3.6371	4.9317	3452	4885	0	4096	4096

	TIME	MCEL	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	397656.61	63	6 63	38523	- 838	- 5 7	746	32402	99 79	3237	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397657.2[illegible]	0.4614	79.6289	0.2087	0.0125	- 0.0015	0.1596	ACTUAL
	397657.28	0.0[illegible]4	79.7277	0.1647	0.0000	- 0.1538	0.0000	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]	+118770.85	- 1553[illegible].4 + 700607.9 + 158837.9	+ 394.35 + 706.00 + 553.35	+ 11690.43
ENV	[illegible]	+12070.67	- 1593 [illegible] + 700604.2 + 158845.0	+ 394.41 + 706.88 + 553.42	+ 11684.81
ER	[illegible]	197.82	5.0 3.7 7.1	0.06 0.11 0.04	5.62
AGC	IN FEET	+261 [illegible]	- 5[illegible] + 2298[illegible]	+1293.80 +2319.52 +1815.61	+ 38354.45
ENV	ANL FEET	+26872.03	- 5226[illegible] + 2298570.2	+1294.01 +2319.16 +1815.76	+ 38336.00

FIPTIME: 3.97657280000 05 PEG: BREAKQUAL TPIP: 3.97657280000 05

	ANC RC			V AND VG		
1.74744[illegible] 06	-5.[illegible] 02	-1.33880124999 05	4.5414968490[illegible] 01	4.27722930908 -02	5.79366350173 02
4.5561[illegible] 03	6.9624[illegible] 01	-1.36118993999 05	4.97531481933 01	-1.14059448242 00	9.83839416503 02

	LAND		TTF	CG	AFC
1.7[illegible] 0[illegible]	-[illegible] 02	2.23887499999 03	-3.04660653359 02	1.00 0.00 0.00	4.93359519168 00
				0.00 0.00 0.00	
	TRANSIE T [illegible].134			0.00 0.00 1.00	

	LNFC			UNWC	
[illegible] -01	3.4[illegible] -03	-9.82141644546 -01	9.97061189267 -01	-3.02501023947 -04	-7.66087028269 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97658.33	11[illegible]	[illegible]	345[illegible]	3.6491	4.5235	3458	4876	0	4096	4096

	TIME	MLDT	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	7658.61	6[illegible]	6 63	8354	- 844	- 5 4	736	32172	55.75	3212	59999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	76[illegible].26	[illegible].4724	75.4421	0.2856	0.0074	- 0.0878	0.6656	ACTUAL
	76[illegible].28	[illegible].4064	75.5845	0.1647	0.0000	- 0.0988	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39785.27-	+11846.84	- 1592313.9	+ 7020152.9	+ 1599399.9	+ 392.85	+ 7012.29	+ 5499.29	+ 11638.68
ENV	39785.279	+12045.97	- 1592307.6	+ 7020172.2	+ 1599547.8	+ 392.92	+ 7012.18	+ 5499.34	+ 11632.88
ERR	[illegible]	1-7.12	6.3	3.7	7.8	0.06	0.13	0.04	5.79
AGC	IN POUNDS	+26121.96	- 5224127.2	+ 2303202.0	+ 5247375	+1288.90	+2300.82	+1802.16	+ 38184.67
ENV	AND FEETS	+26556.54	- 5224106.3	+ 2303189.8	+ 5247632	+1289.11	+2300.46	+1802.31	+ 38165.64

PIPTIME: 3.97659280000 05 P63: BRAKQUAD TPIP: 3.97659280000 05

	R AND G				V AND VG		
1.742544 000 06	-5.284599999999 02	-1.31928312499 05	4.75602421569 01	6.77585601806 -02	9.72426605224 02
6.653124[illegible] 03	6.737[illegible] 1	-1.341582499999 05	4.79183197021 01	-1.115798855019 00	9.76899719238 02

	LAND		TTF		CG			AFC	
1.73580187[illegible]	-5.5587499999999 02	2.22999999999999 02	-3.02332954101 02	1.00	0.00	0.00	4.93492931127	00
				0.00	1.00	0.00		
	TRANSIENT 0.137			0.00	0.00	1.00		

	UNFC				UNWC		
1.[illegible]5 -01	3.43453[illegible]233 -03	-9.81689260831 -01	9.97146204680 -01	-3.02426534921 -04	-7.54540728101 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39766.33	11846.84	0	3454	3.6541	4.9349	3454	4665	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39766.61	63	6 63	34185	- 851	- 5 2	725	31941	99 74	3191	99999	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39766.33	0.4733	79.4421	0.3295	0.0031	0.0549	- 0.0028	ACTUAL
	39766.18	0.4164	79.5080	0.1647	0.0000	- 0.1538	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11819.91	- 1591527.9	+ 703411.9	+ 161[illegible]35.9	+ 391.33	+ 695.58	+ 545.18	+ 11586.56
ENV	[illegible]	+12016.26	- 1591523.2	+ 703408.9	+ 161042.4	+ 391.40	+ 695.46	+ 545.23	+ 11580.54
ERR	[illegible]	196.34	4.7	3.0	6.4	0.06	0.11	0.04	6.01
AGC	IN FEETS	+2605[illegible].17	- 5221548.5	+ 2307782.1	+ 528333.3	+1283.91	+2282.10	+1788.67	+ 38013.65
ENV	ABL FEETS	+[illegible]1.05	- 5221533.0	+ 2307772.0	+ 528354.3	+1284.12	+2281.72	+1788.83	+ 37993.92

PIPTIME: [illegible] 05 PGS: BRAKQUAL TPIP: 3.97661280000 05

	R AND C			V AND VG	
	-5.28-124[illegible] 02	-1.24990437499 05	4.57656661468 01	9.27448272705 -02	5.65463304519 02
	[illegible] 03	[illegible] 01	-1.03221145[illegible]999 05	4.60983276367 01	-1.09138488769 00	5.69936752319 02

	LAND	TTF	CG			AFC
[illegible]	-5.93[illegible] 02	[illegible].221124[illegible]999 02	-3.00007543945 02	1.00	0.00	0.00	4.92653118610 00
				0.00	1.00	0.00	
	TRANSIENT [illegible].134			0.00	0.00	1.00	

	UNFC			UNWC	
[illegible] -01	[illegible] -02	-9.81239592345 -01	9.97229376186 -01	-3.02329657579 -04	-7.43873636263 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE :	[illegible]	11819.91	0	3455	3.6641	4.9365	3455	4656	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAR	THRCMD
DISPLAYS:	[illegible]	63	6 63	38014	- 858	- 5 0	715	3171C	[illegible]	3168	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	[illegible].543	79.2883	0.2856	- 0.0043	- 0.1274	- 0.1346	ACTUAL
	[illegible]	[illegible].4264	79.2883	0.1647	0.0000	- 0.1093	0.0000	DESIRED

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          TIME     |   MASS    |                PN                |                VN                |     ALTITUDE
AGC   397664.79    | +11796.05 | - 1590747.9 + 704797.9 + 162121.9 | + 389.80 + 689.86 + 541.07 | + 11533.99
ENV   397664.279   | +11796.54 | - 1590742.0 + 704794.1 + 162128.7 | + 389.86 + 689.75 + 541.12 | + 11527.76
ERR       0.10     |   195.49  |     5.9         3.8         6.7   |   0.06    0.11    0.04     |     6.23

AGC   IN POUNDS    +259446.55  | - 5218585.5 + 2312325.3 + 531896.3 | +1278.88 +2263.34 +1775.19 | + 37641.20
ENV   AND FEETS    +264255.54  | - 5218969.8 + 2312316.7 + 531918.5 | +1279.09 +2262.96 +1775.34 | + 37820.75

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      PIPTIME:        3.97663280000  05            P63:  BRAKQUAD                          TPIP:        3.97663280000  05
                                                  ||||||||||||||

                   R AND RG                                                                V AND VG
  1.74272 16499  04  -5.28016 45 59  02  -1.28066499999  05   4.39594745635  01   1.27649307250 -01   5.58486461639  02
  6.8262 [illegible]  03   6.7 95 9 9  01  -1.30278749999  05   4.42878723144  01  -1.05667114257  00   5.82960052490  02

                   LAND                                    TTF                          CG                          AFC
  1.73585 1 7459  03  -5.81124999999  02   2.21224999999  03  -2.97684208984  02   1.00  0.00  0.00   4.93757892400  00
                                                                                      0.00  1.00  0.00
                 TRANSLNT    .136                                                     0.00  0.00  1.00

                   UNFC                                                                UNWF
  1.59196 1.311 - 1   3.27374916220 -03  -9.80779744423 -01   9.97310729046 -01  -3.02195547120 -04  -7.32885967080 -02

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          TIME      MASS     FWEIGHT   FCOLD     AF       AFC       FP       FC       PIF     PIFPSET   REG55
THROTTLE: 397664.33 11796.05    0      3452    3.6691    4.9375    3452     4645      0       4096      4096

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          TIME      MODE  VERBNOUN    H      HDOT     TTF     RANGE    ABVEL   TTF LPO   FORVEL   DELTAH   THRCMD
DISPLAYS: 397664.61  63     6  63   37641   - 865   - 4.57    704    31479    99.79     3145    99999    9999

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          CDLTIME    COUX      CDLY      CDUZ      OMEGAX     OMEGAY     OMEGAZ
ATTITUDE: 97665.28   0.5959   79.1125   0.3076   - 0.0021   - 0.0765   - 0.0680     ACTUAL
          397665.28  0.4764   79.1455   0.1647    0.0000   - 0.0769     0.0000     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11766.26	- 1589565.9	+ 706171.9	+ 1631599.5	+ 388.23	+ 684.15	+ 536.95	+ 11480.99
ENV	397665.270	+11956.[illegible]	- 1589963.8	+ 706167.9	+ 1632006.6	+ 388.29	+ 684.03	+ 537.00	+ 11474.53
ERR	[illegible].100	194.56	6.1	4.0	6.9	0.06	0.11	0.04	6.46
AGC	IN FEETS	+25931.08	- 5216437.0	+ 2316837.2	+ 535433.0	+1273.72	+2244.58	+1761.65	+ 37667.32
ENV	ARE POINTS	+26300.33	- 5216416.7	+ 2316823.9	+ 535455.7	+1273.94	+2244.20	+1761.81	+ 37646.12

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PIPTIME: 3.97665280000 05 P63: BRAKQUAD TPIP: 3.97665280000 05

R AND RG				V AND VG			
1.742[illegible]4999 06	-5.67[illegible]1243[illegible]999 02	-1.26156469999 05	4.21834945678 01	1.52635574340 -01	9.51486063003 02		
[illegible] 03	6.08749[illegible]999 01	-1.28356874999 05	4.25067901611 01	-1.03187561035 00	9.55960083007 02		
LAND			TTF	CG		AFC	
[illegible] 06	-5.61759[illegible]999 02	2.20337499999 03	-2.95363256835 02	1.00 0.00 0.00	4.93890140205 00		
TRANSIENT 0.131				0.00 1.00 0.00			
				0.00 0.00 1.00			
UNFC				UNWC			
[illegible] -01	6.21[illegible]4761 -[illegible]	-9.80328636181 -01	9.97390291566 -01	-3.02061435955 -04	-7.21977495977 -02		

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	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397666.32	11766.26		3457	3.6841	4.9389	3457	4635	0	4096	4096

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	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	[illegible]7666.01	63	6 63	37667	- 872	- 4.55	694	31247	99.79	3120	99999	9999

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	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397667.28	0.053	79.1455	0.3625	0.0017	0.0097	- 0.0455	ACTUAL
	397667.23	0.4364	79.0686	0.1647	0.0000	- 0.1318	0.0000	DESIRED

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	TIME	MASS	RN	VN	ALTITUDE
AGC	397667.27	+11733.54	- 1589193.9 + 707533.9 + 164269.9	+ 386.64 + 678.41 + 532.82	+ 11427.62
ENV	397667.279	+11937.11	- 1589188.8 + 707530.2 + 164276.7	+ 386.70 + 678.30 + 532.87	+ 11420.92
ERR	0.0	193.56	5.1 3.7 6.7	0.06 0.11 0.05	6.69
AGC	IN POUNDS	+25867.77	- 5213891.0 + 2321305.7 + 538943.5	+1268.50 +2225.77 +1748.10	+ 37492.20
ENV	AND FEETS	+26294.50	- 5213874.0 + 2321293.5 + 538965.7	+1268.72 +2225.39 +1746.27	+ 37470.23

PIPTIME: 3.97667280000 05 P63: ERASQUAD TPIP: 3.97667280000 05

	R AND VG			V AND VG	
[illegible]	-5.[illegible] 02	-1.2426[illegible]562499 05	4.04169559479 01	1.87540054321 -01	9.44462060928 02
[illegible]	5.[illegible] 01	-1.2645512499[illegible] 05	4.07[illegible]2622207 01	-9.97543334960 -01	9.48936080932 02

	LAND		TTF	CG	AFC
[illegible]	-5.8637[illegible] 02	2.19449999999 01	-2.93045263671 02	1.00 0.00 0.00	4.93950210511 00
				0.00 1.00 0.00	
	TRANSIENT 0.100			0.00 0.00 1.00	

	UNFC			UNWC	
[illegible] -1	0.10[illegible]3671063 -03	-9.79866873203 -01	9.97468083769 -01	-3.01897523433 -04	-7.11149120745 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397667.32	11733.54	0	3458	3.6943	4.9395	3458	4624	0	4096	4096

	TIME	MODE	V-RPECUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	397667.61	63	6 63	37492	- 880	- 4.53	684	31014	99.70	3097	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397667.28	0.5163	78.9367	0.2746	0.0044	- 0.1600	- 0.0016	ACTUAL
	397667.28	0.4164	78.9257	0.1647	0.0000	- 0.0988	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11714.17	- 1588423.0	+ 7068895.9	+ 1653295.9	+ 385.03	+ 6720.67	+ 5286.68	+ 11273.62
ENV	39767.[illegible]	+11897.3	- 1588417.0	+ 7068881.1	+ 1653280.2	+ 385.10	+ 6726.56	+ 5286.73	+ 11366.78
ERR	[illegible]	[illegible]	6.9	4.8	8.2	0.06	0.11	0.05	6.84
AGC	[illegible]	+25[illegible]	- 5211364.8	+ 2325741.4	+ 5424212	+1263.22	+2206.95	+1734.53	+ 37315.04
ENV	[illegible]	+25[illegible]	- 5211341.9	+ 2325725.5	+ 5424487	+1263.45	+2206.57	+1734.70	+ 37292.60

PIPTIME: 0.97669200000 05 P63: BRAKQUAD TPIP: 3.97669280000 05

	R AND C		V AND VG	
[illegible]	-5.67064[illegible]99 02	-1.22378687499 05	3.86599540710 01	2.22444534301 -01	5.37424612045 02
7.[illegible]	5.68749[illegible]9999 1	-1.24566374999 05	3.89736175537 01	-9.62829589863 -01	9.41899108886 02

	LAND	TTF	CG	AFC
[illegible]	- [illegible] 03	2.18562499999 03	-2.90728061523 02	1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00	4.94057079777 00

TRANSIENT 0.134

	UNFC		UNWC	
[illegible]	[illegible]91203[illegible] -02	-5.79395968291 -01	9.97544133224 -01	-3.01651654692 -04	-7.00400690711 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39767[illegible].32	11714.17	0	3454	3.6391	4.9405	3454	4614	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	39767[illegible].6[illegible]	6[illegible]	6 63	37315	- 838	- 4.5[illegible]	674	30781	99.79	3073	99999	9999

	CPUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]7671.2	[illegible].5272	78.8269	0.2416	0.0132	0.0097	0.1676	ACTUAL
	3[illegible]7671.[illegible]	1.4164	78.8488	0.1647	0.0000	- 0.1647	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397671.279	+11674.87	- 1587653.9	+ 710225.9	+ 166383.9	+ 383.39	+ 666.94	+ 524.53	+ 11319.18
ENV	397671.279	+11867.65	- 1587648.4	+ 710220.5	+ 166391.7	+ 383.45	+ 666.82	+ 524.58	+ 11312.17
ERR	[illegible]	192.78	5.5	5.4	7.7	0.06	0.11	0.05	7.01

ACC	IN POUNDS	+2573[illegible].43	- 5208838.5	+ 2330137.7	5458[illegible]79.2	+1257.85	+2188.13	+1720.91	+ 37136.44
ENV	AN[illegible] ECCTS	+2016[illegible].44	- 5208520.3	+ 2330119.8	5459[illegible]6.5	+1258.06	+2187.76	+1721.08	+ 37113.42

PIPTIME: 3.97671280[illegible]00 05

PEG: EKAKQUAL

TPIP: 3.97671280000 05

	R AND RG			V AND VG		
	1.74[illegible]5149999 06	-5.20562479999 02	-1.20510874999 05	3.69325637817 01	2.47430801391 -01	9.30363702774 02
	7.1596[illegible] 03	5.43[illegible]9499709 01	-1.22687624999 05	3.72413635253 01	-9.38034057617 -01	9.34838104248 02

	LAND		TTF	CG			AFC
	1.7358[illegible]7499 06	-5.81624999999 02	2.17674999999 03	-2.88414438476 02	1.00 0.00 0.00		4.94105974212 00
					0.00 1.00 0.00		
	TRANSIENT 0.129				0.00 0.00 1.00		
	UNFC			UNWC			
	[illegible]41[illegible]-06 -01	2.92755730400 -03	-9.78939096901 -01	9.97618466174 -01	-3.01368532181 -04	-6.85732203392 -02	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397672.32	11674.87	0	3460	3.7141	4.9410	3460	4603	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397672.61	63	6 63	37136	- 896	- 4.48	664	30547	99.79	3051	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397673.28	[illegible].3383	78.6401	0.3955	0.0114	- 0.1143	0.1641	ACTUAL
	397673.2	[illegible].4164	78.6291	0.1647	0.0000	- 0.1208	- 0.0109	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+11645.65	- 1586889.9	+ 711593.9	+ 167429.9	+ 381.72	+ 661.20	+ 520.38	+ 11264.37
ENV	97673.27	+11857.92	- 1586883.1	+ 711543.4	+ 167436.7	+ 381.79	+ 661.08	+ 520.43	+ 11257.08
ERR	[illegible]	1 2.26	6.8	5.5	6.7	0.06	0.11	0.04	7.28
AGC	IN POUNDS	+25674.31	- 5206322.0	+ 2334494.7	+ 549311.0	+1252.39	+2169.29	+1707.29	+ 36956.61
ENV	ANL POUTS	+2607.89	- 5206309.6	+ 2334476.5	+ 549333.1	+1252.60	+2168.92	+1707.46	+ 36932.69

DIPTIVE: 3.97673730000 05 PES: BRAKQUAL TPIP: 3.97673280000 05

R AND RC			V AND VG		
[illegible]	-5.26[illegible]	-1.18657249999 05	3.52247714996 01	2.82335281372 -01	9.23289394378 02
[illegible]	5.31242[illegible]	-1.20825124799 05	3.65239459228 01	-9.03320312500 -01	9.27764129638 02

LANE	TTF	CG			AFC	
[illegible]	2.16787499999 03	-2.86102182617 02	1.00	0.00	0.00	4.94180712848 00
			0.00	1.00	0.00	
TRANSIENT .127			0.00	0.00	1.00	

UNFC			UNWC		
[illegible] -01	2.80534401668 -03	-9.78482903022 -01	9.97691103028 -01	-3.01100311626 -04	-6.79144482191 -02

	TIME	MASS	FWEIGHT	FCCLO	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97674.32	11745.55	0	3456	3.7191	4.9418	3456	4592	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97674.61	63	6 63	36957	- 903	- 4 46	654	30313	99 79	3027	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97675.28	0.493	78.4863	.4614	0.0046	- 0.1136	0.0375	ACTUAL
	97675.28	[illegible]	78.4863	0.1647	0.0000	- 0.0878	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397675.279	+11611.50	- 1586127.9	+ 712869.9	+ 168465.9	+ 380.02	+ 655.45	+ 516.23	+ 11208.99
ENV	397675.279	+11808.19	- 1586121.2	+ 712864.9	+ 168473.4	+ 380.09	+ 655.33	+ 516.28	+ 11201.52
ERR	0.00	191.69	6.7	5.1	7.4	0.07	0.11	0.05	7.47
ACC	IN POUNDS	+25419.75	- 5203832.0	+ 2338812.3	+ 552709.9	+1246.80	+2150.42	+1693.67	+ 36774.93
ENV	AND EFFECTS	+26042.33	- 5263810.0	+ 2338735.4	+ 552734.4	+1247.03	+2150.05	+1693.85	+ 36750.42

PIPTIME: 3.97675280000 05 P63: BRAKQUAD TPIP: 3.97675280000 05

	R AND RG			V AND VG	
1.74319243749 06	-5.25407[illegible]999 02	-1.16817749999 05	3.35465908050 01	3.27253341674 -01	5.16191673278 02
7.3[illegible]	5.13743[illegible] 01	-1.18676749999 05	3.38459014892 01	-8.59688354492 -01	9.20666503906 02

	LAND	TTF	CG	AFC
1.735[illegible]7499 06	-5.76874999999 02	2.15899999999 03	-2.83792177734 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.94166044518 00

TRANSIENT 0.123

	UNFC			UNWC	
[illegible]0841295[illegible] -01	2.60303541800 -03	-9.78037387139 -01	9.97762072398 -01	-3.00750135121 -04	-6.68637153699 -02

	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397676.33	11616.50	0	3461	3.7321	4.9416	3461	4580	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397676.61	63	6 63	36775	- 511	- 4 43	644	30078	99 79	3004	99999	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397677.2[illegible]	0.[illegible]403	78.4313	0.4174	- 0.0026	0.0019	- 0.1229	ACTUAL
	397677.23	0.4064	76.4094	0.1647	0.0000	- 0.1428	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11587.43	- 1585369.9	+ 7141759	+ 1694933.9	+ 378.30	+ 649.69	+ 512.07	+ 11152.18
ENV	397677.[illegible]	+1177.45	- 1585362.8	+ 7141699.7	+ 1695001.8	+ 378.37	+ 649.57	+ 512.13	+ 11145.51
ERR	[illegible]	191.02	7.1	6.2	7.8	0.06	0.11	0.05	7.67
AGC	IN ORBIT	+25545.65	- 5201345.1	+ 2343097.1	+ 5560282.6	+1241.16	+2131.54	+1680.04	+ 36591.82
ENV	ANALYTS	+25546.77	- 5201331.5	+ 2343076.7	+ 5561080.5	+1241.37	+2131.16	+1680.22	+ 36566.63

PIPTIME: 3.97677280000 05 P63: BRAKQUAD TPIP: 3.97677280000 05

R AND RG				V AND VG			
1.74325787479 06	-5.24749949999 02	-1.14992499999 05	3.18779945373 01	3.72171401977 -01	5.09080553054 02		
7.[illegible] 03	4.57495595999 01	-1.17142624999 05	3.21727752685 01	-8.14056396484 -01	9.13555526733 02		

LAND	TTF	CG	AFC
[illegible] -02	2.15012499999 02	-2.81484443359 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.94203995913 00

TRANSIT 0.124

UNFC	UNWC
[illegible] -01 2.44752[illegible]96 -02 -9.77583268996 -01	9.97831395602 -01 -3.00370156417 -04 -6.58210887742 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397678.32	11587.43	0	3457	3.7391	4.9420	3457	4569	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397678.61	63	6 63	36592	- 919	- 4.41	634	29843	59.79	2981	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397678.28	[illegible]	78.1896	0.2746	- 0.0075	- 0.1467	- 0.2005	ACTUAL
	397678.5	[illegible]	78.2666	0.1647	.0000	- 0.0938	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39767[illegible]	+11550.43	- 1584613.9	+ 715469.9	+ 170513.9	+ 376.55	+ 643.95	+ 507.90	+ 11096.99
ENV	39767[illegible]	+11748.7[illegible]	- 1584607.8	715463.1	+ 170521.9	+ 376.62	+ 643.82	+ 507.96	+ 11089.07
ERR	[illegible]	19.27	6.1	6.8	7.9	0.06	0.12	0.05	7.92
ACC	IN POUNDS	+25431.72	- 5193864.8	+ 2347342.5	+ 559429.1	+1235.43	+2112.69	+1666.36	+ 36407.48
ENV	AND FEETS	+25901.20	- 5196844.5	+ 2347320.1	+ 559455.3	+1235.65	+2112.29	+1666.53	+ 36381.49

PIPTIME: 3.97679280000 05 P63: BRAKQUAD TPIP: 3.97679280000 05

	R AND RD			V AND VG	
	1.74331[illegible] 06	-5.0239[illegible] 02	-1.12181437499 05	3.02389144897 01	4.07075881958 -01	9.01956129074 02
	7.42[illegible] 03	4.0124[illegible] 01	-1.15322743999 05	3.05290222167 01	-7.79724121093 -01	9.06431198120 02

	LAND		TTF	CG			AFC
	1.7358[illegible]	- 0.72124999999 02	2.14124999999 03	-2.79178144531 02	1.00 0.00 0.00		4.09417652189 7 00
					0.00 1.00 0.00		
	TRANSIENT	.119			0.00 0.00 1.00		

	UNFC				UNWC		
	[illegible] -01	2.3162.971341 -03	-9.77144389099 -01	9.97899100854 -01	-2.99945471632 -04	-6.47865305909 -02	

	TIME	MASS	FREIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39766[illegible]32	11558.43	0	34[illegible]	3.7441	4.0417	3653	4557	0	4096	4096

	TIME	MODE	VERBACCR	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39768.61	63	6 6	36407	- 526	- 4 59	624	29608	99 79	2956	99999	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3 7681.28	[illegible]	78.1127	0.1867	- 0.0019	0.0325	- 0.1280	ACTUAL
	3 7681.28	[illegible]	79.1896	0.1647	0.0000	- 0.1538	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11562.50	- 158.863.5	+ 716751.9	+ 171525.9	+ 374.78	+ 638.19	+ 503.71	+ 11040.24
ENV	[illegible]	+11718.96	- 1583856.3	+ 716746.1	+ 171533.7	+ 374.84	+ 638.08	+ 503.76	+ 11032.12
ERR	[illegible]	18.45	7.6	6.8	7.7	0.06	0.11	0.05	8.12
AGC	IN FEETS	+25417.4	- 5196474.1	+ 2351548.5	+ 562746.3	+1229.59	+2093.82	+1652.60	+ 36221.29
ENV	ANI FEETS	+25835.62	- 5196379.0	+ 2351525.9	+ 562774.6	+1229.80	+2093.44	+1652.78	+ 36194.63

PITIME: [illegible] P63: 8RAKQUAD TPIP: 3.97681280000 05

	P AND C			V AND VG	
[illegible]	-3.[illegible]999 02	-1.113846 7499 05	2.8619486133C C1	4.3206214 9047 -C1	8.94798374176 02
[illegible]	[illegible]	-1.13517124999 05	2.8905105 5908 01	-7.5492 8588867 -01	8.99273681640 02

	LANC		TTF	CG			AFC
[illegible]	-5.65749[illegible]999 02	2.1323749999 03	-2.76876245117 02	1.00	0.00	0.00	4.94154868647 00
				0.00	1.00	0.00	
	T-ANSIENT 0.116			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible] -01	2.2374494 742 -03	-9.7671C228344 -01	9.97965208754 -01	-2.99498436469 -04	-6.37601161927 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	11[illegible].50	0	3463	3.7641	4.9415	3463	4546	0	4096	4096

	TIME	MODE	VERBNOUN	H	FCOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97682.6	63	6 63	36221	- 934	- 4 36	614	29371	99 79	2933	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97683.28	0.71	77.9479	0.1538	0.0050	- 0.0849	0.0208	ACTUAL
	[illegible]	0.164	78.0468	0.1647	0.0000	- 0.0988	- 0.0439	DESIRED

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          TIME        |   MASS    |                RN                |                VN                |  ALTITUDE
AGC   39768.279       | +11590.64 | - 1583115.9  + 718021.9  + 172527.9 | + 372.98  + 632.45  + 499.51 | + 10982.99
ENV   39768.6279      | +11689.21 | - 1583108.6  + 718015.5  + 172537.0 | + 373.04  + 632.33  + 499.56 | + 10974.70
ERR   0.00            |  1.05     |     7.5          6.4          9.0    |   0.06      0.12      0.04   |     8.29

ACC   IN POUNDS       +25354.32   | - 5193950.1  + 2355715.2  + 566036.7 | +1223.70  +2074.98  +1638.82 | + 36033.46
ENV   AND FEETS       +25770.02   | - 5193925.3  + 2355693.9  + 566066.3 | +1223.91  +2074.58  +1638.98 | + 36006.24

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                                          ||||||||||||||
      PIPTIME:        2.97683280 00  05   P63:  ERASQUAD                          TPIP:        3.97683280000  05
                                          ||||||||||||||

                    R AND RG                                                    V AND VG
  1.74345[illegible]9999  06  -5.22312499999  02  -1.09602249999  05   2.70196437835  01   4.47034835815 -01   8.87637329101  02
  7.54262[illegible]999  01   4.43[illegible]999  01  -1.11725749999  05   2.73006439208  01  -7.40051269531 -01   8.92112721933  02

                    LAND                                  TTF                          CG                          AFC
  1.77[illegible]7494  06  -5.67374[illegible]  02   2.12345999999  03  -2.74574956054  02   1.00  0.00  0.00    4.94205625727  00
                                                                                            0.00  1.00  0.00
                    TRANSIENT  0.116                                                        0.00  0.00  1.00

                    UNFC                                                                UNWC
  2.16526256654 -01   2.41710541266 -03  -9.76273833775 -01   9.98029744302 -01  -2.99006697740 -04  -6.27418527144 -02

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              TIME        MASS     FWLIGHT   FCCLC     AF       AFC       FP       FC       PIF    PIFPSET   REG55
THROTTLE:   39768.32    11590.64     0       3454    3.7641   4.9420    3454     4535      0      4096      4096

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              TIME     MODE  VERBNOUN    H      HDOT     TTF     RANGE   ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   39768.00   [illegible]  6 63   26033   - 541   - 4.34    605   29135    99.79    2909    99999    9999

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              CDLTIME      C UX      CDLY      CDUZ      OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   39768.28    0.5927    77.9260   0.2197    0.0121     0.0082     0.1008      ACTUAL
            39768.28    0.4964    77.9699   0.1647    0.0000   - 0.1428   - 0.0329      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	97[illegible]	+11471.[illegible]	- 1582371.[illegible]	+ 719281.9	+ 173523.9	+ 371.15	+ 626.69	+ 495.29	+ 10925.31
ENV	97[illegible]	+11[illegible]	- 1582364.1	+ 719274.4	+ 173531.9	+ 371.22	+ 626.57	+ 495.35	+ 10916.81
ERR	[illegible]	187.[illegible]	7.F	7.5	7.9	0.06	0.12	0.05	8.49
AGC	IN [illegible]	+252[illegible].85	- 5191509.1	+ 2359849.0	+ 569304.4	+1217.70	+2056.09	+1624.99	+ 35844.20
ENV	ALL [illegible]UNTS	+257[illegible].44	- 5191433.4	+ 2359824.2	+ 569330.5	+1217.92	+2055.70	+1625.17	+ 35816.32

PIPTIME: 3.97[illegible] 05 PE3: BRAKQUAD TPIP: 3.97685280000 05

	R AND RG			V AND VG	
1.74341[illegible]3749 06	-5.21374[illegible] 02	-1.07834187499 05	2.54294054412 01	4.62007522583 -01	8.80443000793 02
7.65495[illegible] 03	4.36245[illegible] 1	-1.09948874999 05	2.57156372070 01	-7.25555419921 -01	8.84518594360 02

	LAND		TTF	CG			AFC
1.7585[illegible]7499 06	-5.66495[illegible] 01	2.11462493999 03	-2.72277851562 02	1.00	0.00	0.00	4.94142761453 00
				0.00	1.00	0.00	
	TRANSIENT 0.113			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible] -11	2.18947[illegible] 02 -03	-0.75842798272 -01	0.98092731794 -01	-2.98470258255 -04	-6.17317556389 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REC55
THROTTLE:	97[illegible]2.1	11471.[illegible]	[illegible]	3464	2.7841	4.9414	3464	4523	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97685.62	63	F 63	35844	- 949	- 4.22	895	28897	99.79	2885	99999	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97685.28	0.5[illegible]22	77.7172	0.2087	0.0142	- 0.1952	0.2259	ACTUAL
	97685.3	1.4[illegible]4	77.8271	0.1647	0.0000	- 0.0878	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397687.279	+11442.4[illegible]	- 1581631.9	+ 720527.9	+ 174509.9	+ 369.30	+ 620.94	+ 491.07	+ 10867.12
ENV	397687.279	+11627.70	- 1581623.5	+ 720521.8	+ 174518.4	+ 369.37	+ 620.81	+ 491.13	+ 10858.44
ERR	[illegible]	1[illegible]7.25	8.4	6.1	8.4	0.07	0.12	0.05	8.67
AGC	IN ORBITS	+25226.02	- 5189681.3	+ 2363937.0	- 572539.3	+1211.62	+2037.20	+1611.14	+ 35653.29
ENV	AND FILES	+25[illegible].83	- 5189053.6	+ 2363916.7	- 572567.0	+1211.87	+2036.79	+1611.33	+ 35624.82

PIPTIME: 3.97487280000 05 P63: BRAKQUAD TPIP: 3.97687280000 05

R AND RG				V AND VG			
1.74355[illegible] 06	-5.20[illegible]74[illegible] 02	-1.06080[illegible]9999 05	2.38787651062 01	4.76980209350 -01	8.73235416412 02		
7.64[illegible] 03	4.12499[illegible] 01	-1.08186243999 05	2.41508483886 01	-7.10678100585 -01	8.77711105346 02		

LAND		TTF	CG			AFC
1.73589[illegible]74[illegible] 06	-5.62626[illegible] 02	2.10574999999 03	-2.69982280273 02	1.00 0.00 0.00	4.94014937430 00	
				0.00 1.00 0.00		
TRANSIENT 0.111				0.00 0.00 1.00		

UNFC				UNWC		
2.20[illegible] -01	2.16[illegible] -03	-9.75415497246 -01	9.98154194567 -01	-2.97941265685 -04	-6.07298534410 -02	

	TIME	MASS	FWEIGHT	FCOLC	AP	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397688.19	11442.45	0	3459	3.7891	4.9401	3459	4510	0	4096	4096

	TIME	MODE	VF RANGE	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397688.61	63	0 63	35653	- 957	- 4.30	586	28660	99.79	2861	99999	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397689.28	0.6[illegible]42	77.6403	0.4394	0.0095	0.0268	0.1348	ACTUAL
	397689.23	0.4[illegible]64	77.7502	0.1647	0.0000	- 0.1318	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11413.11	- 15808.9	+ 721763.9	+ 175487.9	+ 367.42	+ 615.16	+ 486.86	+ 10808.56
ENV	[illegible]	+1159.93	- 15808.6	+ 721757.6	+ 175496.5	+ 367.49	+ 615.04	+ 486.92	+ 10799.65
ERR	[illegible]	13.82	7.3	6.3	6.5	0.07	0.12	0.05	8.90
AGC	[illegible]	+5111.35	- 5186[illegible].1	+ 2367992.1	+ 575748.[illegible]	+1205.45	+2018.25	+1597.31	+ 35461.16
ENV	[illegible]	+5[illegible]73.32	- 5186[illegible].1	+ 2367971.3	+ 575775.9	+1205.68	+2017.85	+1597.50	+ 35431.95

PIPTIME: 3.97[illegible] 05 PEG: BRAKQUAL TPIP: 3.97689280000 05

R AND RG			V AND VG		
1.74356[illegible]4374[illegible] 06	-6.13[illegible] 9 [illegible]2	-1.04341243999 05	2.23376274108 01	5.11884[illegible]31 -01	8.66004514694 02
7.6904[illegible] 03	4.074[illegible]	-1.06438124999 05	2.26051330566 01	-6.76345825195 -01	8.70480346679 02

LANC			TTF		CG			AFC	
1.7358[illegible]5749[illegible] 01	-5.60249[illegible]9 [illegible]2	2.09687499999 03	-2.67690400390 02		1.00	0.00	0.00	4.94001666083	00
					0.00	1.00	0.00		
TRANSIENT 0.109					0.00	0.00	1.00		

LNFC			UNWC		
2.2222[illegible]53[illegible] -01	2.126554[illegible]87 -03	-9.74993182762 -01	9.98214157079 -01	-2.97382472215 -04	-5.97361546260 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397690.19	11413.11	0	3459	3.7391	4.9400	3459	4498	0	4096	4096

	TIME	MODE	VERBNOUN	H	FCOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAF	THRCMD
DISPLAYS:	97690.61	63	6 63	35461	- 965	- 4.27	576	28421	99.79	2837	99999	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97691.28	0.6146	77.5085	0.2966	- 0.1063	- 0.1211	- 0.1958	ACTUAL
	7691.23	0.6164	77.6074	0.1647	0.0000	- 0.0769	- 0.0329	DESIRED

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          TIME        |   MASS    |          RN                          |          VN                          |   ALTITUDE
AGC   [illegible]79 |  +11[illegible]84  |  - 15801610 +  7223890  +  1764570  |  + 365.52  + 609.37  + 4E2.64  |  +  10749.43
ENV   [illegible]7  |  +11[illegible]17  |  - 15801530 +  7229810  +  1764660  |  + 365.59  + 609.25  + 482.70  |  +  10740.32
ERR   [illegible]00 |  18[illegible].32  |  [illegible]04  8.0  8.1  |  C.06  0.12  C.05  |  9.10

AGC   IN FCUNDS  +250[illegible]  |  - 5184256.5 + 2372014.4 + 578930.4  |  +1199.22  +1999.27  +1583.49  |  +  35267.18
ENV   ANL FCCTS  +25507.6[illegible]  |  - [illegible]184230.9 + 2371988.1 + 578957.1  |  +1199.45  +1998.88  +15E3.68  |  +  35237.30

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                                          ||||||||||||||
                                          P63:  ERASQUAL
                                          ||||||||||||||
     PIPTIME:        3.67691280000  05                                                    TPIP:        3.97691280000  05

                R AND G                                                                  V AND VG
 1.7436255624[illegible]  04  -5.18[illegible]745[illegible]9999  02  -1.0261649999999  05  2.08061218261  01  5.56802749633 -01  8.58760452270  02
 [illegible]  03  3.4[illegible]  01  -1.0470449999999  05  2.1049335937[illegible]  01  -6.31332367460 -01  8.63236618041  02

                LAND                                                  TTF                      CG                    AFC
 [illegible]735651 [illegible]  06  -5.5787459999999  02  2.0CE7999999999  03  -2.6539981933[illegible]  02  1.00  0.00  0.00  4.93830535560  00
                                                                                                0.00  1.00  0.00
                TRANSIENT  C.11C                                                                0.00  0.00  1.00

                UNFC                                                                            UNWC
 [illegible]2410[illegible]76 -01  1.[illegible]164328[illegible]9477 -03  -9.74564434146 -01  9.96272640598 -01  -2.06786426934 -04  -5.87507187205 -02

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          TIME        MASS      FWEIGHT   FCCLD     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THRCTTLE: [illegible]7652.27  11[illegible]3.84  0         [illegible]460  3.8091    4.9383    3460      4485      0         4096      4096

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          TIME      MCIF  VERBNOUN   H       HDOT      TTF       RANGE     ABVEL     TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS: [illegible]7652.67  6[illegible]  6  63  35267  - 973  - 4.25  567  28182  99.79  2814  - 1165  9999

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          CDUTIME      CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: [illegible]7693.25  0.[illegible]42  77.5085  0.1538  - 0.0055  0.0961  - 0.1352  ACTUAL
          [illegible]7652.27  0.4[illegible]64  77.5305  0.1647  0.0000  - 0.1318  - 0.0549  DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11254.6[illegible]	- 1579431.9	+ 724201.9	+ 177417.9	+ 363.59	+ 603.60	+ 478.40	+ 10689.87
ENV	[illegible]	+1154.4[illegible]	- 1579424.3	+ 724194.7	+ 177427.3	+ 363.66	+ 603.48	+ 478.45	+ 10680.50
ER	[illegible]	1[illegible].72	7.6	7.2	9.3	0.07	0.12	0.05	9.36
AGC	IN FEETS	+2[illegible]3.4[illegible]	- 5181863.5	+ 2375990.8	+ 5820EC.C	+1152.89	+1980.34	+1569.56	+ 35071.76
ENV	AND OUTS	+2[illegible]41.57	- 5181829.3	+ 2375966.9	+ 582110.5	+1193.13	+1979.92	+1569.74	+ 35041.04

FIXTIME: 3.97693[illegible]0 05

P63: BRAKQUAD

TPIP: 3.97693280000 05

	R AND RG			V AND VG		
[illegible]	-1.17[illegible] 02	-1.00906249999 [illegible]	1.93042755126 C1	5.71775436 4C1 -01	8.51493215560	02
[illegible]	7.82455[illegible] 01	-1.029[illegible]5374999 05	1.95629119873 01	-6.16836547851 -C1	8.55569238281	02

	LAND		TTF		CG			AFC	
1.7[illegible]	-5.554[illegible]9999 02	2.07912499999 C3	-2.63112709960 02		1.00	0.00	0.00	4.93677798658	00
					0.[illegible]	1.00	0.00		
	TRANSIENT 0.104				0.00	0.00	1.00		

	UNFC			UNWC		
[illegible]2.59[illegible]2451[illegible]24 -01	1.7850[illegible]60381 -02	-9.7415281448[illegible] -C1	9.98329671613 -01	-2.96153126641 -04	-5.77735152884	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3.769[illegible]4.24	11354.66	0	3460	3.8191	4.5367	3460	4473	0	4096	4096

	TIME	MOD	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMO
DISPLAYS:	97654.67	63	6 63	35072	- 981	- 4 23	558	27943	55 75	2789	- 949	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7655.6[illegible]	.6152	77.4056	0.1208	- 0.0072	- 0.1[illegible]21	- 0.1942	ACTUAL
	97695.[illegible]	0.43[illegible]4	77.3876	0.1647	0.0000	- 0.0659	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397695.279	+11325.55	- 1578707.9	+ 725403.9	+ 1783719	+ 361.65	+ 597.82	+ 474.14	+ 10629.74
ENV	397695.279	+11510.63	- 1578698.9	+ 725395.9	+ 1783795	+ 361.73	+ 597.69	+ 474.19	+ 10620.17
ERR	[illegible]	1 5.07	9.0	8.0	7.9	0.07	0.12	0.05	9.57
AGC	IN POINTS	+245603.72	- 5179488.1	+ 2379934.3	+ 5852209	+1186.53	+1961.35	+1555.59	+ 34874.50
ENV	ANL POCTS	+253760.34	- 5179458.4	+ 2379907.8	+ 5852360	+1186.78	+1960.94	+1555.77	+ 34843.10

TIPTIME: 3.976952 0000 05 P63: PRAKQUAD TPIP: 3.97695280000 05

R AND RG				V AND VG			
1.74376261249 C6	-5.16062445999 C2	-9.92105624999 C4	1.78021000457 01	5.86748123168 -C1	8.44202852249 02		
7.81[illegible] 01	[illegible].63939[illegible] 01	-1.01280374999 C5	1.80561065673 C1	-6.01959228515 -C1	8.48678970336 02		

LANL		TTF	CG	AFC
1.735[illegible]7499 06	-5.53124999999 C2	2.07024999999 C3	-2.60829130859 02	1.00 0.00 0.00	4.93564642965 00
			0.00 1.00 0.00	
TRANSIENT 0.105			0.00 0.00 1.00	

UNFC				UNWC			
2.27740[illegible]56 -C1	1.74888[illegible]45766 -03	-9.73718225481 -01	9.98385270266 -01	-2.95482575107 -04	-5.68046195785 -02		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSLT	REG55
THROTTLE:	397695.23	11325.55	0	3460	3.8291	4.9356	3460	4460	0	4096	4096

	TIME	MC[illegible]	VERBNOUN	H	HOCT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	397696.64	60	6 63	34875	- 589	- 4 20	548	27703	93 79	2766	- 744	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397697.[illegible]8	0.6152	77.3767	0.1318	0.0055	- 0.0231	0.0046	ACTUAL
	7697.28	[illegible] 64	77.3107	0.1647	0.0000	- 0.1208	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+112[illegible].51	- 1577985.9	+ 726593.9	+ 179315.9	+ 359.70	+ 592.03	+ 469.87	+ 10569.12
ENV	[illegible]	+114[illegible].5	- 1577977.4	+ 726395.5	+ 179324.0	+ 359.77	+ 591.90	+ 469.92	+ 10559.32
ERR	[illegible]	184.33	8.5	8.4	8.0	0.06	0.12	0.05	9.80
AGC	IN FEET	+240[illegible]	- 5177113.4	+ 2383338.5	+ 588307.0	+1180.12	+1942.36	+1541.56	+ 34675.60
ENV	AND UNITS	+253[illegible].63	- 5177021.2	+ 2383810.7	+ 588333.6	+1180.34	+1941.93	+1541.75	+ 34643.44

FIPTIME: 3.97697280000 05

P63: BRAKQUAD

TPIP: 3.97697280000 05

	R AND RC				V AND VG			
1.[illegible]3743	5	-5.01487[illegible]399	02	-9.75294374999	04	1.63[illegible]9C9C057	C1	5.91707229614 -01	8.36899375915 02
7.[illegible]	[illegible]	3.5[illegible]	01	-9.95908743999	04	1.65[illegible]2193603	01	-5.97381591756 -C1	8.41375732421 02

	LANC			TTF		CG			AFC
[illegible]	-5.0574[illegible]	02	2.06137493999	C3	-2.58547568359	C2	1.00 0.00 0.00		4.93372324854 00
							0.00 1.00 0.00		
	TRANSIENT [illegible]						0.00 0.00 1.00		

	LAFC					UNWC			
[illegible] -1	1.767[illegible]4-518	-0[illegible]	-9.73276797351	-C1	9.98439463111	-01	-2.94812019865	-04	-5.59439933064 -02

	TIME	MASS	FWEIGHT	ECOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRTITLE:	3976[illegible]	112.[illegible]51	0	3456	3.6341	4.9337	3456	4447	0	4096	4096

	TIME	NOUN	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPO	RCRVEL	DELTAH	THRCMD
DISPLAYS:	3976[illegible]	63	6 63	34676	- 993	- 4 18	539	27462	55 79	2741	- 534	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3976[illegible]	0.6762	77.1130	0.1757	0.0136	- 0.1265	0.1356	ACTUAL
	[illegible]	0.4304	77.1569	0.1647	0.0000	- 0.0769	- 0.0219	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	[illegible]	+11267.54	- 1577255.9	+ 727765.9	+ 180249.9	+ 357.71	+ 586.23	+ 465.59	+ 10494.49
ENV	397699.270	+11451.07	- 1577255.8	+ 727763.5	+ 180259.6	+ 357.78	+ 586.10	+ 465.65	+ 10497.99
ERR	[illegible]	1[illegible].52	3.8	2.4	9.6	0.07	0.13	0.05	3.49
AGC	IN FEETS	+24840.43	- 5174724.4	+ 2387683.7	+ 591371.3	+1173.59	+1923.34	+1527.54	+ 34430.77
ENV	AND FEETS	+[illegible]	- 5174737.0	+ 2387675.5	+ 591403.1	+1173.82	+1922.91	+1527.73	+ 34442.24

PIPTIME: 3.97699280000 05 P63: BRAKQUAD TPIP: 3.97699280000 05

R AND RG				V AND VG	
1.74375456249 06	-5.13697459999 02	-9.56218749999 04	1.48462772369 01	6.06679916381 -01	8.29572772979 02
7.16262[illegible] 03	3.46243[illegible] 01	-9.79147499999 04	1.50920667919 01	-5.82500427246 -01	8.34049224853 02

LAND		TTF	CG			AFC
1.73[illegible] 06	-5.48374[illegible] 02	2.05249999999 02	-2.56267739257 02	1.00 0.00 0.00		4.93233324959 00
				0.00 1.00 0.00		
TRANSIENT 0.14[illegible]				0.00 0.00 1.00		

UNEC				UNWC		
2.32[illegible] -01	1.73[illegible] -03	-9.72698295368 -01	9.98492270449 -01	-2.94141471309 -04	-5.48917054988 -02	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	2977[illegible].31	11267.54	0	3460	3.8491	4.9323	3460	4434	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	9770[illegible].73	63	6 63	34431	- 1007	- 4 16	530	27221	99 70	2718	- 407	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	2771[illegible].23	0.372	77.0800	0.1757	0.0186	0.0213	0.2493	ACTUAL
	2770[illegible].23	0.4064	77.0910	0.1647	0.0000	- 0.1538	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+112[illegible].66	- 1576533.9	+ 72[illegible]927.9	+ 181173.9	+ 355.68	+ 580.43	+ 461.31	+ 10423.18
ENV	[illegible].79	+1142[illegible].29	- 1576546.3	+ 72[illegible]929.9	+ 181186.6	+ 355.76	+ 580.30	+ 461.36	+ 10436.09
ERR	[illegible]	1[illegible].62	12.3	1.9	12.6	0.07	0.13	0.05	12.90
AGC	IN FLIGHT S	+2477[illegible].75	- 5172[illegible]55.6	+ 2391496.0	+ 5944[illegible]2.8	+1166.54	+1904.32	+1513.49	+ 34196.80
ENV	ANL UNITS	+2517[illegible].38	- 5172[illegible]56.0	+ 2391502.3	+ 5944444.5	+1167.19	+1903.88	+1513.67	+ 34239.15

PIPTIME: [illegible].977012[illegible] 05 P63: BRAKQUAD TPIP: 3.97701280000 05

R AND VG				V AND VG			
[illegible]	-5.12437[illegible] 2	-9.42098743999 04	1.34128[illegible]3719 01	6.21652603149 -01	8.22223186492 02		
[illegible]	3.34[illegible] 01	-9.62534999999 04	1.36543273925 01	-5.68008422851 -01	8.26699447631 02		

LANDC	TTF	CG	AFC
[illegible] -2	2.04362499999 03	-2.53991889648 02	1.00 0.00 0.00 4.93001192808 00
			0.00 1.00 0.00
TRANSIENT 0.127			0.00 0.00 1.00

LNFC			UNWC		
[illegible] -01	1.5[illegible]31 -02	-9.72181351325 -01	9.98543715292 -01	-2.93441114128 -04	-5.39477760630 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39770[illegible].30	1123[illegible].66	0	3465	3.8641	4.9300	3465	4421	0	4096	4096

	TIME	MODE	VERBACUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	[illegible]7702.72	63	6 63	34197	- 1015	- 4 14	521	2697.9	99 79	2693	- 287	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39770[illegible].28	[illegible]461	76.9152	0.2307	0.0049	- 0.1637	0.0324	ACTUAL
	39770[illegible].8	[illegible]4 64	76.9272	0.1647	0.0000	- 0.0988	- 0.0219	DESIRED

	TIME	MASS	PN	VN	ALTITUDE
AGC	3977[illegible].279	+112[illegible].65	- 1576817.9 + 730079.9 + 1820910.9	+ 353.64 + 574.62 + 457.01	+ 10353.81
ENV	3977[illegible].279	+11391.59	- 1575836.8 + 730084.7 + 1821051.1	+ 353.72 + 574.49 + 457.08	+ 10373.66
ERR	.00	161.65	1[illegible].8 4.7 13.1	0.07 0.12 0.06	19.85
AGC	IN POUNDS	+24713.23	- 5170000.5 + 2395275.5 + 597414.6	+1160.26 +1885.25 +1499.39	+ 33969.20
ENV	AND FEETS	+5111[illegible].71	- 5170068.3 + 2395291.0 + 597457.8	+1160.50 +1884.82 +1499.61	+ 34034.34

PIPTIME: 3.97703280000 05 P63: BRAKQUAD TPIP: 3.97703280000 05

	R AND G			V AND VG	
1.74279143745 06	-5.11187499999 02	-9.25724374999 04	1.19788046697 01	6.36625289916 -01	8.14850521087 02
7.85[illegible]	0.23749[illegible]99999 01	-5.46071249999 04	1.22161865234 01	-5.53131103515 -01	8.19326782226 02

	LAND		TTF	CG			AFC
1.73[illegible]	-5.43624[illegible] 02	2.03474999999 03	-2.51719765624 02	1.00	0.00	0.00	4.92792110890 00
				0.00	1.00	0.00	
	TRANSIENT 0.124			0.00	0.00	1.00	

	UNFC				UNWC		
2.[illegible]633++51C -01	1.66245683777 -03	-9.71668183971 -01	9.98593820249 -01	-2.92733311104 -04	-5.30122294028 -02		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3977[illegible]0.31	112[illegible]	0	3465	3.8741	4.9279	3465	4408	0	4096	4096

	TIME	MODE	VERANCON	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	977 4.72	63	6 63	33969	- 1024	- 4 11	513	26736	99 79	2668	- 209	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	77[illegible]5.28	0.6501	76.8603	0.2636	- 0.0036	0.0405	- 0.0471	ACTUAL
	077[illegible]5.28	0.4064	76.8713	0.1647	0.0000	- 0.1757	- 0.0109	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+11130.42	- 1575111.5	+ 7312233.8	+ 1830010.9	+ 351.56	+ 568.81	+ 452.72	+ 10290.62
ENV	3977[illegible]	+11310.71	- 1575111.64	+ 731227.9	+ 1830156.0	+ 351.64	+ 568.68	+ 452.78	+ 10310.71
ER	[illegible]	1[illegible].28	19.4	3.9	13.0	0.07	0.13	0.05	20.09
AGC	IN FEDMPS	+ 4[illegible]	- 5167600.02	+ 2399028.8	+ 600400.2	+1153.44	+1866.18	+1485.32	+ 33761.89
ENV	ANC FEDTS	+2[illegible]	- 5167754.01	+ 2399041.6	+ 600442.9	+1153.69	+1865.75	+1485.51	+ 33827.81

PIPTIME: 0.77[illegible] 05 PEG: BRAKQUAD TPIP: 3.97705280000 05

P AND VG			V AND VG	
1.7438124 [illegible] 06	-5.09[illegible] 02	-9.0950124999 04	1.0584592815 2 01	6.6161155706E -01	8.0746483027 02
7.5216[illegible] 06	0.1374595[illegible] 01	-9.0257599999 04	1.0817718505 8 01	-5.2833567128 9 -01	8.1194152832 0 02

LAND		TTF	CG			AFC
1.7251[illegible]87449	-5.4124[illegible] 02	2.0256749999 03	-2.4945046386 7 02	1.00 0.00 0.00		4.9255415797 2 00
				0.00 1.00 0.00		
TRANSIENT 0.090				0.00 0.00 1.00		

UNFC			UNWC		
2.38[illegible] -01	1.5611[illegible]196 -03	-9.7125872160 8 -01	9.9864260798 7 -01	-2.9198825343 6 -04	-5.2085086675 3 -02

	TIME	MASS	FWEIGHT	FCOLD	AP	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	0770[illegible].41	11130.42	0	3465	1.8941	4.9255	3465	4394	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	770[illegible]	[illegible]	6 63	33762	- 1032	- 4 9	504	2[illegible]493	[illegible] 70	2643	- 15	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3977[illegible]	0.[illegible]551	76.6735	0.2566	- 0.0130	- 0.1566	- 0.2341	ACTUAL
	3977[illegible]	[illegible]	76.6516	0.1647	0.0000	- 0.1098	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3977[illegible]	+111[illegible]1.07	- 1574401.9	+ 732351.9	+ 1839[illegible]1.9	+ 349.48	+ 562.98	+ 448.42	+ 10217.56
ENV	3977[illegible]0.279	+113[illegible]1.91	- 1574436.7	+ 732359.4	+ 1839916.2	+ 349.55	+ 562.85	+ 448.48	+ 10247.23
ERR	[illegible]	1[illegible].84	28.2	7.4	14.2	0.07	0.12	0.06	29.67
ACC	IN POUNDS	+24583.65	- 516[illegible]6.8	+ 2402725.6	+ 603353.[illegible]	+1146.59	+1847.06	+1471.20	+ 33522.18
ENV	AND FLCTS	+[illegible]982.34	- 5165453.6	+ 2402754.0	+ 603399.9	+1146.83	+1846.64	+1471.42	+ 33619.55

PIPTIME: 3.77[illegible]728[illegible]000 05

P63: BRAKQUAL

TPIP: 3.97707280000 05

R AND RG				V AND VG			
1.74382[illegible] 06	-5.08459[illegible] 02	-8.93421243999 04	9.18993949890 00	6.86597824096 -01	8.00056076049 02		
7.5[illegible] 03	0.37[illegible] 01	-9.13591249999 04	9.41886501855 00	-5.03540039062 -01	8.04532623291 02		

LAND		TTF		CG		AFC	
1.739[illegible]187490 06	-5.3[illegible]74[illegible] 02	2.016[illegible] 02	-2.4718435[illegible]585 02	1.00 0.00 0.00	4.92183957248 00		
				0.00 1.00 0.00			
TRANSIENT 0.131				0.00 0.00 1.00			

UNFC				UNWC	
2.40235[illegible]3777 -01	1.45311[illegible]130 -03	-9.70712533495 -01	9.98690101714 -01	-2.91228293130 -04	-5.11663553916 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3977[illegible]0.30	111[illegible]1.07	0	3460	3.8851	4.9218	3460	4379	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3977[illegible]0.72	63	6 63	33522	- 1041	- 4 7	495	26250	99 79	2621	- 276	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3977[illegible]0.20	[illegible].0701	76.4978	0.1857	- 0.0053	- 0.0440	- 0.1879	ACTUAL
	3977[illegible]0.2[illegible]	0.[illegible]764	76.4978	0.1647	0.0000	- 0.0878	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+11121.[illegible]	- 1572641.9	+ 733465.9	+ 184793.9	+ 347.35	+ 557.16	+ 444.11	+ 10139.56
ENV	[illegible]	+11[illegible] 2.12	- 1572733.2	+ 733479.3	+ 184808.9	+ 347.42	+ 557.03	+ 444.18	+ 10183.30
ERR	[illegible]	[illegible] .31	41.2	13.3	14.9	0.07	0.13	0.06	43.74
AGC	IN POUNDS	+[illegible]451.12	- 5163[illegible]1.4	+ 2406384.5	+ 606279.5	+1139.60	+1827.97	+1457.08	+ 33266.28
ENV	ANL POUNTS	+[illegible]	- 5162166.8	+ 2406428.2	+ 606328.6	+1139.83	+1827.54	+1457.29	+ 33409.79

PIPTIME: [illegible] 05 PGS: BRAKQUAL TPIF: 3.97709280000 05

	R AND G			V AND VG	
1.74[illegible] 499 06	-5.071[illegible] 02	-8.77487499999 04	7.83486366271 00	7.11584061186 -01	7.92634391784 02
7.[illegible] 03	[illegible] 01	-8.97568749999 04	8.05969238281 00	-4.78744506835 -01	7.97111129760 02

	LAND	TTF	CG			AFC
1.7[illegible]	-5.[illegible] 02	2.00812499999 03	-2.44919829101 02	1.00 0.00 0.00		4.91973478347 00
				0.00 1.00 0.00		
	TRANSIENT 0.132			0.00 0.00 1.00		

	UNFC			UNWC		
[illegible]	[illegible]	-9.70153323988 -01	9.98736322560 -01	-2.90453432008 -04	-5.02560805824 -02	

	TIME	MASS	FWEIGHT	FCOLD	ZF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	11121.[illegible]	0	3460	3.8991	4.9197	3460	4366	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	63	6 63	33266	- 1049	- 4 4	487	26006	55 79	2595	- 400	9999

	DUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	0.6711	76.4758	0.1316	0.0132	0.0361	0.1016	ACTUAL
	[illegible]	0.[illegible] 64	76.4318	0.1647	0.0000	- 0.1428	- 0.0329	DESIRED

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          TIME      |   MASS    |          RN                |          VN                |     ALTITUDE
AGC   397711.27     | +110[illegible] | - 1572979.9  + 734565.9  + 185673.9 | + 345.19  + 551.34  + 439.79 | +  10052.99
ENV   397711.276    | +1127[illegible] | - 1573040.5  + 734567.5  + 185663.0 | + 345.26  + 551.21  + 439.85 | +  10118.81
ERR   0.000         |  17.70[illegible] |      60.5        21.5        19.0  |   0.07     0.13     0.06  |      65.81

AGC   IN POUNDS     +24454.70  | - 5160695.5  + 2409993.4  + 609166.6 | +1132.53  +1808.88  +1442.90 | +  32982.28
ENV   AND FEETS     +246[illegible].35  | - 5160694.2  + 2410064.2  + 609229.0 | +1132.76  +1808.44  +1443.11 | +  33198.20

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   PIPTIME:        3.977112[illegible]  CF                P63:  EKAKQUAL                          TPIP:        3.977112[illegible]0000  05
                                                  |||||||||||||

                    R AND RG                                                                    V AND VG
 1.743[illegible]1249  00  -1.05[illegible]874[illegible]999  02  -2.61658124999  04  6.49543351745  00  7.26556777954 -01  7.85189819335  02
 7.5263[illegible]99  [illegible]  2.[illegible]9  01  -8.816[illegible]9999999  04  6.72[illegible]25217285  00  -4.6424867226 -01  7.89666366577  02

                    LAND                                  TTF                                CG                                AFC
 1.7358[illegible]  00  -5.3412459[illegible]99  02  1.99924999999  03  -2.42658925781  02  1.00  0.00  0.00  4.91680111736  00
                                                                                            0.00  1.00  0.00
                    TRANSIENT  [illegible].158                                              0.00  0.00  1.00

                    UNFC                                                                    UNWC
 [illegible]  -01  1.306[illegible]19240[illegible] -03  -9.69479525772 -01  9.9878129566[illegible] -01  -2.89633868554 -04  -4.93542251295 -02

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          TIME      MASS      FWEIGHT   FCCLC     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE: 397712.31 11092.70  0         3464      3.9141    4.9168    3464      4352      0         4096      4096

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          TIME      MODE  VERBANCLN  H        HDOT      TTF       RANGE     ABVEL     TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS: 397712.72 6     6   6[illegible]  32982  - 1057  - 4  2  478       25761     99.79     2571    - 615     9999

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          COUTIME   COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 397713.2[illegible]  [illegible]  76.3000   0.3186    0.0199    - 0.1983  0.2808    ACTUAL
          397713.29 [illegible]  76.2121   0.1647    0.0000    - 0.1208  - 0.0219  DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+110[illegible]	- 1[illegible]	+ 735649.9	+ 186547.9	+ 343.01	+ 545.52	+ 435.47	+ 9958.31
ENV	[illegible]	+1124.51	- 1[illegible]2352.2	+ 735684.1	+ 186568.4	+ 343.09	+ 545.38	+ 435.52	+ 10053.80
ERR		17.02	86.2	34.1	20.4	0.07	0.13	0.05	95.49
AGC	IN FRONTS	+2[illegible]	- 515[illegible]	+ 2413549.8	+ 612034.1	+1125.38	+1789.77	+1428.73	+ 32671.62
ENV	AND MONTS	+2[illegible]	- 5158635.8	+ 2413662.0	+ 612101.1	+1125.63	+1789.31	+1428.92	+ 32984.91

PIPTIME: [illegible]-771321.000 C5 P63: PRAKQUAD TPIP: 3.97713280000 05

	R AND FC			V AND VG	
[illegible]	-[illegible]041749999 02	-8.46054274399 04	5.18345832824 CD	7.51543045043 -01	7.77732372283 02
[illegible]	2.745[illegible] 01	-8.65957499399 04	5.40008544921 00	-4.39453125000 -01	7.82209014892 02

	LANC		TTF	CG	AFC
[illegible]	-5.31745[illegible] 02	1.99037499999 03	-2.40398676757 02	1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00	4.91358572617 00

TRANSIENT [illegible].179

	UNFC			UNWC		
[illegible] -01	1.19[illegible]73[illegible]456 -03	-9.6870855[illegible]093 -01	9.98825041148 -01	-2.88799400127 -04	-4.84608477953 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397714.[illegible]	11[illegible]	0	3459	3.9151	4.9135	3459	4337	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397714.72	63	6 63	32672	- 1065	- 4 0	470	25516	99 79	2546	- 814	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397715.28	0.9521	76.0582	0.2746	0.0120	- 0.1314	0.1285	ACTUAL
	397150[illegible]	[illegible]4264	75.9524	[illegible].1647	0.0000	- 0.1098	- 0.0329	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	497715.279	+11034.44	- 1571547.9	+ 736719.9	+ 187409.9	+ 340.79	+ 539.68	+ 431.15	+ 9856.24
ENV	497715.279	+11212.70	- 1571666.2	+ 736759.1	+ 187435.1	+ 340.87	+ 539.55	+ 431.21	+ 9988.29
ERR	.010	17.25	120.2	49.1	25.1	0.07	0.13	0.06	132.04
AGC	IN POUNDS	+24326.54	- 5155997.3	+ 2417060.3	614862.2	+1118.08	+1770.60	+1414.53	+ 32336.77
ENV	ARE FEETS	+24711.02	- 5156341.8	+ 2417221.4	614944.7	+1118.34	+1770.17	+1414.74	+ 32770.01

PIPTIME: 3.97715280000 05 P63: ERASQUAD TPIP: 3.97715280000 05

	R AND RG			V AND VG	
1.743772 3745 06	-5.0324249999 02	-8.3055687499 04	3.8970470428 00	7.8644752502 -01	7.7024202346 02
7.1824 9 0299 03	2.0074999999 01	-8.5037124999 04	4.1099548339 00	-4.0473937988 -01	7.7471847534 02

	LAND		TTF	CG			AFC
1.7358918749 06	-5.2937499999 02	1.5814999999 03	-2.3814417480 02	1.00	0.00	0.00	4.9107172526 00
				0.00	0.00	0.00	
	TRANSIENT 0.2CC			0.00	0.00	1.00	

	UNFC			UNWC		
2.5157497145 -01	1.1102[illegible] -03	-9.6783728472 9 -01	9.9886758148 4 -01	-2.8791278463 1 -04	-4.7579557845 9 -02	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	497716.20	11034.44	0	3468	3.9391	4.9107	3468	4323	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	497716.58	63	0 62	32337	- 1074	- 3.58	461	2527C	99.79	2522	- 982	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	497717.2	0.7011	75.6496	0.2087	- 0.0018	- 0.1064	- 0.0468	ACTUAL
	497717.28	0.4464	75.7727	0.1647	0.0000	- 0.1208	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+1[illegible]	- 1[illegible]8[illegible]7.9	+ 737777.9	+ 188263.9	+ 338.54	+ 533.86	+ 426.81	+ 9755.93
ENV	[illegible]	+111[illegible]	- 1[illegible]9[illegible]7	+ 737842.3	+ 188293.2	+ 338.61	+ 533.72	+ 426.87	+ 9922.33
ERR	[illegible]	177.4[illegible]	15[illegible]7	64.5	29.2	0.07	0.13	0.06	166.39
AGC	IN FEET	+242[illegible].6[illegible]	- 5153667.9	+ 2420531.4	617[illegible]4.0	+1110.72	+1751.52	+1400.30	+ 32007.66
ENV	IN FEET	+2465[illegible].7[illegible]	- 5154162.5	+ 2420742.7	617760.0	+1110.95	+1751.07	+1400.51	+ 32553.57

PIPTIME: 3.97717280000 05 PBI: ERAKQUAD TPIP: 3.97717280000 05

	R AND RC			V AND VG	
[illegible]	-5.01[illegible]24 [illegible] 02	-6.15210624999 04	2.64010425382 00	8.01420211791 -01	7.62748861312 02
[illegible]	2.58749[illegible] 01	-8.34936243999 04	2.84881551796 00	-3.69862060546 -01	7.67225265502 02

	LANC		TTF	CG			AFC
[illegible]	-3.26[illegible] 02	1.97262459999 02	-2.35890350624 02	1.00	0.00	0.00	4.90797217935 00
				0.00	1.00	0.00	
	TRANSTENT 0.107			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible] -01	9.59947[illegible] -04	-9.67[illegible]9288566 -01	9.98908938406 -01	-2.87041066346 -04	-4.66995757983 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	[illegible]7718[illegible]	1[illegible]	0	3463	3.9441	4.9079	3463	4310	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	7718.9[illegible]	63	63	32008	- 1081	- 3.95	493	25024	99.70	2498	- 906	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39771[illegible]	0.7141	75.6848	0.2526	- 0.0119	- 0.0941	- 0.1933	ACTUAL
	7719.[illegible]	0.4[illegible]4	75.5529	0.1647	0.0000	- 0.1208	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397719.270	+10976.59	- 1571143.9	+ 738329.9	+ 189111.9	+ 336.25	+ 528.04	+ 422.46	+ 9668.31
ENV	397719.270	+1115.07	- 1570313.7	+ 738304.0	+ 188142.6	+ 336.33	+ 527.90	+ 422.53	+ 9855.91
ERR	0.00	17.47	169.7	74.0	30.6	0.07	0.14	0.06	187.60
AGC	IN POUNDS	+24199.00	- 5151391.0	+ 2423582.9	+ 620446.1	+1103.20	+1732.43	+1386.04	+ 31720.18
ENV	AND FEETS	+24518.00	- 5151948.1	+ 2424225.7	+ 620546.8	+1103.45	+1731.97	+1386.26	+ 32335.68

PIPTIME: 3.97719280000 05 PEG: BRAKQUAD TPIP: 3.97719280000 05

R AND RG				V AND VG			
1.74372716249 06	-4.96374999999 02	-8.00026624999 04	1.42264366149 00	8.16392898559 -01	7.55232906341 02		
7.83512499999 03	2.95124999999 01	-8.19657499999 04	1.62773132324 00	-3.74984741210 -01	7.59709167480 02		

LAND			TTF	CG			AFC
1.73511187359 06	-5.24624999999 02	1.56374999999 03	-2.33642524414 02	1.00	0.00	0.00	4.90382779389 00
				0.00	1.00	0.00	
T ANSIENT 0.141				0.00	0.00	1.00	

UNFC				UNWC			
2.57121771157 -01	9.10055273187 -04	-9.66378591976 -01	9.98949134096 -01	-2.86117194303 -04	-4.58317098150 -02		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397720.00	10976.59	0	3467	3.9551	4.9038	3467	4295	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397720.58	63	6 63	31720	- 1088	- 3.53	445	24778	99.79	2472	- 551	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397721.28	0.7141	75.4650	0.2526	- 0.0099	0.0224	- 0.2353	ACTUAL
	397721.28	0.4[illegible]4	75.4211	0.1647	0.0000	- 0.0878	- 0.0439	DESIRED

	TIME	MASS	RX	RY	RZ	VX	VY	VZ	ALTITUDE
ACC	[illegible]	+1[illegible]47.10	- 1569463.5	+ 739875.5	+ 1[illegible]49.5	+ 333.93	+ 522.21	+ 418.12	+ 9591.49
ENV	[illegible]	+111[illegible]3.24	- 1[illegible]964.4	+ 739354.0	+ 189983.3	+ 334.00	+ 522.08	+ 418.18	+ 9789.14
ER	[illegible]	176.14	175.4	78.0	33.3	0.07	0.13	0.06	197.64
ACC	IN TRANSITS	+241[illegible]3.87	- 5149161.1	+ 2427414.6	+ 623155.5	+1055.58	+1713.29	+1371.70	+ 31468.17
ENV	AND ERRORS	+245[illegible]2.31	- 5149749.8	+ 2427767.6	+ 623305.0	+1095.82	+1712.87	+1372.01	+ 32116.61

PIPTIME: 3.977212[illegible] 05 P63: BRAKQUAD TPIP: 3.977212[illegible]000D 05

	R AND TE			V AND VG		
[illegible] 06	-4.77[illegible] 02	-7.849886[illegible]74999 04	2.24781036376 -01	8.51297378540 -01	7.476941[illegible]8554	D2
[illegible] 03	2.44[illegible] 03	-8.04534999939 04	4.25720214843 -01	-3.49270996093 -01	7.52170562744	02

	LANL		TTF		CG			AFC	
[illegible]	-5.[illegible] 02	1.95487499999 03	-2.31399638671 02		1.00	0.00	0.00	4.8989057540[illegible]	00
					0.00	1.00	0.00		
	TRANSIENT 0.03				0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] 07 -01	7.07[illegible]519 -04	-9.65914863197 -03	9.98988187507 -01	-2.85163523523 -04	-4.49724349170	-D2

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97722.[illegible]	1[illegible]37.10	0	3467	3.9851	4.8585	3467	4275	0	4096	4096

	TIME	NCLE	VERBACUA	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	9772[illegible].58	[illegible]	6 63	31468	- 1095	- 3.51	436	24530	99.79	2447	- 260	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	9772[illegible]	0.7141	75.4541	0.0986	0.0050	- 0.0185	- 0.0714	ACTUAL
	97723.2[illegible]	0.4064	75.3332	0.1647	0.0000	- 0.1318	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397723.279	+10917.70	- 1568801.9	+ 740915.9	+ 190781.9	+ 331.58	+ 516.40	+ 413.76	+ 9527.49
ENV	397723.279	+11093.42	- 1568877.7	+ 740992.3	+ 190815.4	+ 331.65	+ 516.26	+ 413.83	+ 9721.91
ERR	0.00	175.71	175.7	76.3	33.4	0.07	0.14	0.06	194.41
AGC	IN POUNDS	+2415.17	- 5146588.1	+ 2430826.7	+ 625925.1	+1087.88	+1694.23	+1357.51	+ 31258.20
ENV	AND NEWTS	+2445.56	- 5147564.8	+ 2431077.3	+ 626034.7	+1088.11	+1693.76	+1357.72	+ 31896.04

PIPTIME: 3.977232800000 CS

PBI: BRAKQUAD

TPIP: 3.97723280000 05

	R AND RG			V AND VG		
	1.7437 66749 06	-4.0[illegible]624-[illegible]59 02	-7.701[illegible]5374999 04	-9.4367000[illegible]1220 -01	8.66270065307 -01	7.40152645111 02
	7.8257[illegible]59953 03	2.74-9590[illegible]09 01	-7.8956874999999 04	-7.4618[illegible]4785156 -01	-3.25775146484 -01	7.44628906250 02

	LAND		TTF		CG		AFC
	1.7358[illegible]74[illegible] 06	-5.1987[illegible]99999 02	1.5459999999999 03	-2.2916000537[illegible]D 02	1.00 0.00 0.00		4.89284982904 00
					0.00 1.00 0.00		
	TRANS1-OT	0.053			0.00 0.00 1.00		

	UNFC				UNWC		
	[illegible]5975[illegible]372 -01	6.[illegible]471[illegible]9225 -04	-9.65675384617 -01	9.99026122633 -01	-2.84209848282 -04	-4.41217125753 -02	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397724.31	10917.70	0	3462	3.9741	4.8928	3462	4262	0	4096	4096

	TIME	MOD	VERBNOUN	F	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	77[illegible]4.59	63	6 [illegible]	31258	- 1101	- 3.49	428	24283	99.79	2423	74	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397725.28	0.7750	75.2014	0.1098	0.0215	- 0.1632	0.2949	ACTUAL
	397726.28	0.4664	75.2014	0.1647	0.0000	- 0.0549	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+108[illegible].37	- 156814[illegible]	+ 741947.9	+ 191605.9	+ 329.21	+ 510.58	+ 409.39	+ 9471.49
ENV	[illegible]	+1106[illegible].59	- 1558316.3	+ 742019.0	+ 191628.7	+ 328.28	+ 510.44	+ 409.45	+ 9654.28
ERR	[illegible]	176.21	166.8	71.0	32.7	0.07	0.13	0.06	182.78
AGC	IN PROGRESS	+2[illegible]46.52	- 5144349.0	+ 2436212.5	+ 628628.6	+1080.09	+1675.13	+1343.14	+ 31074.47
ENV	ABL EMITS	+2439[illegible]	- 5145346.3	+ 2436445.7	+ 628735.9	+1080.33	+1674.68	+1343.37	+ 31674.16

PI TIME: [illegible]977652[illegible].000 05 PEG: BRAKQUAL TPIF: 3.97725280000 05

	R AND RC					V AND VG			
[illegible]	-4.9[illegible] 06	-7.55386374999	04	-2.09202766418	00	8.71229171752	-01	7.32578372955	02
[illegible]	[illegible] 01	-7.74757499999	04	-1.89819325937	00	-3.20816040039	-01	7.37054824829	02

	LAND		TTF		CG			AFC	
[illegible]	-5.17[illegible] 02	1.93712499999	03	-2.26925971679	02	1.00 1.00 0.00		4.88587655127	00
						0.00 1.00 0.00			
	TRANSIENT 0.020					0.00 0.00 1.00			

	LNFC					UNWC			
[illegible]	[illegible].7614	-04	-9.65581746790	-01	9.99062958532	-01	-2.83218919012	-04	-4.32796103880	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible].37		3465	3.9851	4.8858	3465	4245	0	4096	4096

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ARVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]726.58	[illegible]	[illegible] 63	31074	- 110[illegible]	- 3.46	420	24034	99.79	2399	284	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]726.28	[illegible]	75.1794	0.1318	0.0163	- 0.0223	0.1489	ACTUAL
	[illegible]7727[illegible]	[illegible]	75.2014	0.1647	0.0000	- 0.0549	- 0.0439	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39777.279	+10859.12	- 1567511.9	+ 742971.4	+ 192423.9	+ 326.80	+ 504.76	+ 405.01	+ 9422.62
ENV	39777.279	+11013.76	- 1567660.6	+ 743134.1	+ 192457.2	+ 326.87	+ 504.62	+ 405.07	+ 9586.27
ERR	0.00	174.63	148.6	62.1	29.2	0.07	0.14	0.06	163.65
ACC	IN POINTS	+23821.02	- 5142755.5	+ 2437572.1	+ 631312.3	+1072.18	+1656.04	+1328.79	+ 30914.12
ENV	AND FEETS	+24325.03	- 5143243.6	+ 2437776.0	+ 631408.3	+1072.42	+1655.57	+1329.00	+ 31451.03

****

PIPTIME: 3.97727280000 05 P63: BRAKQUAD TPIP: 3.97727280000 05

	R AND RG				V AND VG	
	1.74374222249 06	-4.02562445[illegible]59 02	-7.40819374959 04	-3.21087837219 00	8.86201858520 -01	7.24991416931 02
	7.85[illegible]749[illegible]-9 03	3.4[illegible]9[illegible]9 01	-7.60101249999 04	-3.02124023437 00	-3.05938720703 -01	7.29467773437 02

	LAND		TTF		CG			AFC	
	1.7[illegible] 06	-9.15124955999 02	1.52824999999 03	-2.24696787109 02	1.00	0.00	0.00	4.87780431285	00
					0.00	1.00	0.00		
	TRANSIENT 0.012				0.00	0.00	1.00		

	UNFC				UNWC			
	[illegible] -01	5.78[illegible]286763 -04	-9.65634391033 -01	9.99098715823 -01	-2.82220541769 -04	-4.24461587268	-02	

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39772.30	10859.12	0	3465	3.9990	4.8778	3465	4226	0	4096	4096

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39777.54	63	6 6	30914	- 1114	- 3 44	413	23786	99 79	2373	462	9999

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	CLOTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	77229.28	0.747	75.2233	0.1428	0.0046	- 0.0027	0.0679	ACTUAL
	77230.28	0.7[illegible]4	75.2014	0.1647	0.0000	- 0.0219	- 0.0439	DESIRED

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	TI	MASS	RN		VN		ALTITUDE
AGC	[illegible]	+10820.[illegible]	- 1866875.[illegible]	+ 7439810.9	+ 193229.[illegible]	+ 324.38 + 498.92	+ 9370.62
ENV	[illegible]	+110[illegible]3.9	- 1567[illegible]09.3	+ 7443[illegible]37.5	+ 193259.0	+ 324.45 + 498.78	+ 9517.87
ERR	[illegible]	17[illegible].96	133.9	55.5	29.0	0.07 0.14	0.07	147.25
AGC	IN FINITE	+2[illegible]	- 5140[illegible]	+ 2440485.8	+ 6239[illegible]6.6	+1064.24 +1636.90	+1314.33	+ 30743.52
ENV	ANL FINITS	+242[illegible]	- 5141[illegible]6.7	+ 2441[illegible]9.0	+ 634051.9	+1064.48 +1636.43	+1314.57	+ 31226.62

FIPTIME: 0.[illegible]7232[illegible]05 PBI: PRARCUAL TPIP: 3.97729280000 05

	F AND G		V AND VG	
	1.7[illegible]751[illegible]9 06 -4.[illegible] 02	-7.2640249999 04	-4.33001518249 00	8.81099700927 -01 7.17371654510 02
	7.[illegible]5[illegible]74[illegible] 03	6.1[illegible]7[illegible]5[illegible]99 01	-7.4559624999 04	-4.14390563964 00 -3.11279296875 -01 7.21848297119 02

	LANL		TTF		CG		AFC
	1.7[illegible]5[illegible]	-5.1[illegible]74[illegible] 03	1.91937459999 03	-2.22472592773 02	1.00 0.00 0.00		4.86937584355 00
					0.00 1.00 0.00		
	TRANSIENT 0.004				0.00 0.00 1.00		

	UNFC				UNWC		
[illegible]	[illegible]9 -01	6.[illegible]2[illegible]337[illegible] -04	-9.65638519775 -01	9.99133415662 -01	-2.81229615251 -04	-4.16213721096 -02	

	TIME	MASS	PREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRSTTLE:	97740.29	1[illegible]29.[illegible]	[illegible]	3463	4.0140	4.8653	3468	4208	0	4096	4096

	TIME	MCLE	VEIRACUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	CELTAP	THRCMD
DISPLAYS:	97720.54	[illegible]	[illegible] 65	30744	- 1121	- 3.42	405	23536	99.79	2349	394	9999

	CLUTIME	CPUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97731.25	0.7585	75.3112	0.1647	- 0.0104	0.0576	- 0.1921	ACTUAL
	97731.06	[illegible]4.[illegible]64	75.2014	0.1647	0.0000	- 0.0109	- 0.0329	DESIRED

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                TIME      |   MASS    |          RN                |          VN                |     ALTITUDE
AGC   [illegible]  |  +1[illegible]  |  - 1562[illegible]5.9  +  744977.9  +  194027.9  |  +  321.95  +  493.06  +  396.20  |  +   9309.87
ENV   [illegible]  |  +1[illegible]  |  - 1566[illegible]2.8  +  745026.2  +  194055.9  |  +  322.02  +  492.92  +  396.27  |  +   9449.04
ERR   [illegible]  |   17.21   |      126.6      51.2      27.9  |    0.07     0.13     0.06  |      139.16

ACC   IN POUNDS   +238[illegible]  |  - 5128569.5  + 2444153.5  +  636574.8  |  +1056.28  +1617.66  +1299.86  |  +  30544.20
ENV   AND FEETS   +241[illegible]  |  - 5138985.6  + 2444321.6  +  636666.5  |  +1056.52  +1617.20  +1300.09  |  +  31000.79

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      PIPTIME:        3.977312[illegible]  C5          P63:  BRAKQUAL                    TPIP:        3.97731260000  C5
                                                  ||||||||||||||

                  R AND G                                                    V AND VG
  1.743749 1245  C6  -4.890624959[illegible]  02  -7.12134374999  04  -5.45945167541  00   8.95977020263 -01   7.09729242324  02
  7.857374[illegible]  03   [illegible]  01  -7.31238749999  04  -5.27687072753  00  -2.96783447265 -01   7.14205591147  02

                  LAND                                  TTF                    CG                    AFC
  1.735[illegible]  06  -[illegible]  02   1.91049999999  03  -2.20251646507  02   1.00  0.00  0.00   4.86183911561  00
                                                                                   0.00  1.00  0.00
                TRANSIENT  [illegible].C36                                         0.00  0.00  1.00

                  UNFC                                                       UNWC
  [illegible]  -[illegible]  5.87974270317 -04  -9.65471092021 -01   9.99167079633 -01  -2.80238686572 -04  -4.08052501995 -02

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              TIME       MASS     FWEIGHT   FCCLE      AF       AFC       FP       FC      PIF    PIFPSET   REG55
THROTTLE:   [illegible]732.30   [illegible]  0     3468    4.0240    4.8618    3468     4190      0      4096     4096

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              TIME      MODE   VERBNOUN     H      HDOT      TTF     RANGE    ABVEL   TTF LPO   FORVEL   DELTAH   THPCMD
DISPLAYS:   [illegible]732.58   63     6  63   30544   - 1128   - 3.40     397    23285    99.79     2323      191     9999

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              CDUTIME      CDUX      CDUY      CDUZ     OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   [illegible]73[illegible].0   [illegible]  75.3112   0.1867   - 0.0122   0.0658   - 0.2842     ACTUAL
            [illegible]732.28   [illegible]  75.2014   0.1647    0.0000   - 0.0329   - 0.0329     DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+10771.85	- 1565863.9	+ 7455619	+ 194817.9	+ 319.51	+ 487.18	+ 391.78	+ 9251.49
ENV	[illegible]	+10944.24	- 1555721.2	+ 7460092	+ 194844.0	+ 319.58	+ 487.04	+ 391.85	+ 9379.73
ERR	[illegible]	172.3	117.2	47.2	26.0	0.07	0.14	0.06	128.23
AGC	IN PLANE	+20747.64	- 5136496.1	+ 2447381.0	639166.6	+1048.27	+1598.38	+1285.38	+ 30352.69
ENV	ARL PHASE	+24127.6[illegible]	- 5136880.8	+ 2447536.8	639252.2	+1048.51	+1597.91	+1285.60	+ 30773.39

PIPTIME: 3.977332[illegible]00 05 PBI: BRAKQUAL TPIP: 3.977332[illegible]0000 05

	R AND C			V AND VG	
1.643747374[illegible] 04	-4.870499[illegible] 02	-6.980206249999 04	-6.957920837402 00	9.108543395[illegible] -01	7.020641803[illegible] 02
7.6[illegible]	[illegible]	-7.170362499999 04	-6.400299907226 00	-2.819061279[illegible] -01	7.065406799[illegible] 02

	LAND		TTF		CG			AFC	
1.73[illegible]7459[illegible]	-5.079[illegible] 02	1.901624999999 03	-2.180373248632 02		1.00	0.00	0.00	4.852423444395	00
					0.00	1.00	0.00		
	TRANSIENT	0.026			0.00	0.00	1.00		

	LNFC			UNWC		
[illegible] -01	5.101977775[illegible] -04	-9.653542890[illegible] -01	9.991597257[illegible] -01	-2.792105058[illegible] -04	-3.999787539[illegible] -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	[illegible]7734.50	10771.85	0	3467	4.0340	4.8524	3467	4170	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7734.58	63	6 67	30353	- 1136	- 3.38	389	23034	55.79	2298	255	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7735.28	0.7650	75.2893	0.1208	0.0034	0.0718	- 0.0880	ACTUAL
	[illegible]7735.28	[illegible]	75.2014	0.1647	0.0000	- 0.0329	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397735.279	+10742.[illegible]	- 1564375.9	+ 746935.9	+ 195597.9	+ 317.05	+ 481.29	+ 387.35	+ 9192.93
ENV	397735.279	+10914.[illegible]	- 1565084.4	+ 746977.4	+ 195623.3	+ 317.12	+ 481.15	+ 387.42	+ 9309.99
ERR	0.[illegible]	171.46	108.4	41.4	25.3	0.06	0.14	0.06	117.05
AGC	IN POUNDS	+23[illegible]	- 5134425.6	+ 2450577.4	+ 641725.7	+1040.22	+1579.05	+1270.85	+ 30160.55
ENV	AND FEETS	+2406[illegible]	- 5134791.6	+ 2450713.3	+ 641808.9	+1040.44	+1578.58	+1271.06	+ 30544.58

PIPTIME: 3.97735280000 05 PEG: BRAKQUAD TPIP: 3.97735280000 05

R AND RG				V AND VG			
1.743[illegible] 05	-4.854374[illegible] 02	-6.840[illegible]624959 04	-7.69929885864 00	9.25731658935 -01	6.94376468658 02
7.[illegible] 03	2.124[illegible] 01	-7.0298749999 04	-7.5237274165[illegible] 00	-2.67410278320 -01	6.98852920532 02

LAND		TTF	CG			AFC
1.735[illegible]187499 06	-5.0562499999 02	1.852749999 03	-2.15826459960 02	1.00 0.00 0.00		4.84235817566 00
				0.00 1.00 0.00		
TRANSIENT 0.028				0.00 0.00 1.00		

UNFC				UNWC		
[illegible]710 -01	4.44[illegible]37130 -04	-9.65224176596 -01	9.99231375407 -01	-2.78182325576 -04	-3.91992476503 -02

	TIME	MASS	WEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397736.33	10742.93	0	3466	4.0440	4.8423	3466	4151	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397736.54	63	6 63	30161	- 1144	- 3.35	382	22782	99.79	2273	259	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397737.28	0.79[illegible]	75.3002	0.1208	0.0225	- 0.1095	0.2879	ACTUAL
	397737.28	0.4364	75.2014	0.1647	0.0000	- 0.0549	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+10713.42	- 1564186.5	+ 7478979	+ 1963695	+ 314.58	+ 475.39	+ 382.90	+ 9134.12
ENV	[illegible]	+10884.54	- 1564452.6	+ 7479338	+ 1963938	+ 314.65	+ 475.25	+ 382.97	+ 9239.66
ER	[illegible]	171.12	266	358	238	0.07	0.14	0.07	105.54
AGC	[illegible]	+2261.00	- 5132401.5	+ 2453733.5	+ 6442685	+1032.10	+1559.68	+1256.23	+ 29967.60
ENV	[illegible]	+2290[illegible]	- 5132718.7	+ 2453851.3	+ 6443336.6	+1032.33	+1559.22	+1256.48	+ 30313.87

PIPTIME: 3.97747290000 05 P63: BRAKQUAD TPIP: 3.97737280000 05

	R AND RC				V AND VG			
[illegible]	-4.835[illegible]499999	02	-6.70254374995	04	-8.8098526[illegible]	00	9.30595287949	-01	6.86656188964	02
7.[illegible]	1.624[illegible]	01	-6.89092499999	04	-8.63800048828	00	-2.62832641601	-01	6.91132354736	02

	LAND		TTF		CG			AFC	
[illegible]	-[illegible]	02	1.88387499999	03	-2.13622456054	02	1.00 0.00 0.00	4.83290990814	00
							0.00 1.00 0.00		
	TRANSIENT 0.25						0.00 0.00 1.00		

	UNFC				UNWC			
[illegible]	-01	4.[illegible]	-04	-9.65106622937	-01	9.99262048433	-01	-2.77101993183	-04	-3.84093969537	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3977330.00	10713.42	0	3470	4.0550	4.8229	3470	4131	0	4096	4096

	TIME	MODE	VERBACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCPVEL	DELTAH	THRCMD
DISPLAYS:	3977330.58	63	6 60	29968	- 1153	- 3.33	374	22529	99.79	2247	263	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3977330.28	[illegible]	75.2343	0.1757	0.0237	- 0.1036	0.3196	ACTUAL
	[illegible]	[illegible]	75.2014	0.1647	0.0000	- 0.0659	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+10[illegible].9	- 15637.7.9	+ 748947.9	+ 197131.9	+ 312.08	+ 469.48	+ 378.45	+ 9074.74
ENV	3977[illegible].979	+11854.69	- 15638.8	+ 749873.4	+ 197155.2	+ 312.16	+ 469.33	+ 378.51	+ 9168.81
ERR	.100	17[illegible].70	87.8	30.4	23.2	0.07	0.14	0.06	94.06
AGC	IN POUNDS	+23553.32	- 5130374.0	+ 2456850.3	+ 646758.5	+1023.89	+1540.29	+1241.63	+ 29772.80
ENV	ANL FCCTS	+239[illegible].25	- 5130662.3	+ 2456950.1	+ 646834.8	+1024.15	+1539.80	+1241.85	+ 30081.42

PIPTIME: 3.97739280000 05 P63: BRAKQUAD TPIP: 3.97739280000 05

R AND G				V AND VG	
1.74[illegible] 7459 06	-4.16[illegible]7459[illegible]9 02	-6.56603124999 04	-9.90066528320 00	9.45473717285 -01	6.78523416137 02
7.[illegible] 01	1.1246[illegible] 01	-6.75353749999 04	-9.73243713378 00	-2.47955322265 -03	6.83399581909 02

LAND		TTF		CG			AFC
[illegible] 06	-5.[illegible]874[illegible] 02	1.87499999999 03	-2.11423188476 02	1.00	0.00	0.00	4.82148956507 00
				0.00	1.00	0.00	
TRANSLENT 0.022				0.00	0.00	1.00	

UNFC				UNWC		
[illegible] -03	3.59503[illegible].4498 -04	-9.65006566164 -01	9.99291763527 -01	-2.76044009283 -04	-3.76283821946 -02	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39774[illegible]	10[illegible]	0	3464	6.0640	4.8214	3464	4110	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97740.9[illegible]	63	[illegible] 63	29773	- 1162	- 3.31	367	22276	99.79	2221	259	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97741.29	0.[illegible]29	75.2783	0.2087	0.0062	- 0.0618	0.0383	ACTUAL
	97741.[illegible]	[illegible].64	75.2914	0.1647	0.0000	- 0.0659	- 0.0329	DESIRED

	TIME	MODE	RN	VN	ALTITUDE
AGC	[illegible]	+1[illegible]0.66	- 1563129.9 + 7497859 + 1978859	+ 309.57 + 463.54 + 373.98	+ 9017.43
ENV	[illegible]	+1[illegible]0.3	- 1563204 + 7498111 + 1979907.8	+ 309.65 + 463.39 + 374.04	+ 9097.40
ERR	[illegible]	170.1	74.0 25.1 21.8	0.07 0.14 0.06	79.96
AGC	IN [illegible]	+23[illegible]	- 5128379.2 + 2459027.8 + 649232.2	+1015.68 +1520.81 +1226.56	+ 29584.76
ENV	ANG [illegible]UTS	+[illegible]42	- 5128622.3 + 2460610.3 + 649303.9	+1015.91 +1520.33 +1227.19	+ 29847.13

PIPTIME: 3.97741[illegible] 05

PEG: BRAKCUAD

TPIP: 3.97741280000 05

		A [illegible]						V AND VG						
[illegible]	05	-6.7381249999	02	-6.43107499999	04	-1.10017776489	01	9.60350036621	-01	6.71158123016	02
[illegible]	03	1.[illegible]	01	-6.61763749999	04	-1.08367919921	01	-2.33459472656	-01	6.75634384155	02
[illegible]	06	-4.[illegible]	02	1.86612499999	03	-2.09229536132	02	1.00 0.00 0.00		4.81027644127	00
								0.00 1.00 0.00			
		TRANSIDIT [illegible]20						0.00 0.00 1.00			
		LANL						CG		AFC	
[illegible]	-03	2.[illegible]	-04	-9.64913020755	-01	9.99320541753	-01	-2.74978575339	-04	-3.68561964519	-02
								UNWC			

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97742.30	1[illegible]2.2	0	3468	4.0750	4.8102	3468	4095	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97742.5[illegible]	63	[illegible]	29585	- 1171	- 3.29	360	22022	59.79	2195	317	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97743.[illegible]	[illegible]	75.0915	0.2636	- 0.0100	0.0810	- 0.2004	ACTUAL
	97743.[illegible]	[illegible]	75.2014	0.1647	0.0000	- 0.0769	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397744.[illegible]	+10628.37	- 1582517.9	+ 750709.9	+ 198629.9	+ 307.04	+ 457.60	+ 369.49	+ 8950.18
ENV	397744.279	+10794.97	- 1582587.3	+ 750732.0	+ 198651.4	+ 307.11	+ 457.45	+ 369.57	+ 9025.41
ERR	[illegible]	169.59	69.3	22.0	21.4	0.06	0.14	0.07	75.22
AGC	TK POUNDS	+23422.70	- 5126371.3	+ 2462455.3	+ 651673.2	+1007.37	+1501.21	+1212.26	+ 29364.13
ENV	ANL POUNDS	+23790.57	- 5126598.8	+ 2463031.5	+ 651743.6	+1007.59	+1500.83	+1212.50	+ 29610.94

PIPTIME: 3.97743280000 05 P63: BRAKQUAL TPIP: 3.97743280000 05

	R AND RD		V AND VG	
1.74370[illegible]74 06	-[illegible].77874[illegible] 02	-6.29764374999 04	-1.20831966400 01	9.75227355957 -01	6.63370227813 02
7.81[illegible] 03	1.24[illegible] 01	-6.48336249999 04	-1.19216918945 01	-2.18582153320 -01	6.67846298217 02

	LAND		TTF	CG			AFC
1.72[illegible]-74[illegible] 06	-4.96124999999 02	1.85724999999 03	-2.07041227703 02	1.00	0.00	0.00	4.79885376989 00
				0.00	1.00	0.00	
	TRANSLNT 0.052			0.00	0.00	1.00	

	UNFC			UNWC		
2.0[illegible]454[illegible]578 -01	1.03121478778 -04	-9.64671698238 -01	9.99349401759 -01	-2.73875894131 -04	-3.60928925487 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	397744.29	1762.37	0	3460	4.0890	4.7988	3466	4068	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397744.54	63	6 63	26364	- 1181	- 3 27	353	21767	99 79	2169	101	9999

	CDLTIME	CDUX	CDLY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397745.28	0.23[illegible]	75.2233	0.0769	- 0.0183	0.1858	- 0.4968	ACTUAL
	397745.28	[illegible].31[illegible]	75.2014	0.1647	- 0.2032	- 0.0988	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+1[illegible]10	- 1561917.9	+ 751623.9	+ 199365.9	+ 304.48	+ 451.64	+ 365.01	+ 8892.43
ENV	[illegible]	+1176.10	- 1561975.6	+ 751640.9	+ 199386.1	+ 304.55	+ 451.49	+ 365.08	+ 8952.91
ERR	[illegible]	16.0	57.6	16.9	20.1	0.07	0.14	0.06	60.48
AGC	IN FEUDLS	+2[illegible]	- 5124402.8	+ 2465958.0	+ 654087.9	+ 998.96	+1481.77	+1197.56	+ 29174.66
ENV	ANE FEUDTS	+[illegible]	- 5124551.9	+ 2466013.6	+ 654153.8	+ 999.20	+1481.28	+1197.78	+ 29373.09

PIPTIME: [illegible] PBI: BRAKQUAD TPIP: 3.97745280000 05

	R AND RG				V AND VG			
1.7[illegible]	-4.75874[illegible]	02	-6.16575999999	04	-1.31445222564	01	1.00011825561	00	6.55559873580	02
7.8[illegible]	1.78745[illegible]	03	-6.35063749999	04	-1.29867563710	01	-1.93786621093	-01	6.60036087036	02

	LAND				TTF			CG			AFC	
[illegible]	-4.93745[illegible]	02	1.84837459999	03	-2.04859921874	02	1.00	0.00	0.00	4.78485133498	00
							0.00	1.00	0.00		
	TRANSIENT 0.012						0.00	0.00	1.00		

	UNFC				UNWC			
2.63[illegible]	[illegible]	-01	[illegible]	-05	-9.64631698821	-01	9.99375364830	-01	-2.72743401647	-04	-3.53384462046	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397746.[illegible]	10596.[illegible]	0	3470	4.1040	4.7848	3470	4045	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	CELTAB	THRCMD
DISPLAYS:	397746.54	63	6 63	29175	- 1190	- 3 24	345	21512	99 79	2144	328	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397747.28	0.0770	75.2793	- 0.0988	0.0063	0.0178	0.0467	ACTUAL
	397747.26	[illegible]	75.2014	0.1647	- 0.0933	- 0.0769	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397747.75	+10567.07	- 1561925.9	+ 752527.9	+ 200093.9	+ 301.92	+ 445.68	+ 360.48	+ 8834.56
ENV	397747.75	+10735.23	- 1561765.0	+ 752538.0	+ 200111.7	+ 302.00	+ 445.53	+ 360.55	+ 8879.75
ERR	0.000	1 8.16	430	10.0	17.7	0.07	0.14	0.07	45.19
AGC	IN FLIGHTS	+232 6.16	- 5122460.6	+ 2468923.8	+ 656476.3	+ 990.56	+1462.21	+1182.68	+ 28984.78
ENV	AND EFFECTS	+2366.9	- 5122601.9	+ 2468956.7	+ 656534.6	+ 990.82	+1461.73	+1182.93	+ 29133.04

PIPTIME: 3.97747280000 CS

PEG: BRAKQUAD

TPIP: 3.97747280000 05

	R AND RG			V AND VG		
1.74268 18749 06	-4.73874999999 02	-6.03552499999 04	-1.42169475555 01	9.84954833984 -01	6.47717046737 02
7.74124 5999 02	1.74[illegible]9 99 01	-6.21947499999 04	-1.40621185302 01	-2.09045410156 -01	6.52193069458 02

	LAND		TTF		CG			AFC
1.73589174 06	-4.91374999999 02	1.83549999999 03	-2.02685009765 02	1.00	0.00	0.00	4.77113528177 00
				0.00	1.00	0.00	
	TRANSIENT 0.016			0.00	0.00	1.00	

	UNFC			UNWC		
0.62957601172 -01	1.61925[illegible] -04	-9.64501724051 -01	9.99401448188 -01	-2.71603464545 -04	-3.45929413352 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397748.30	10567.07	0	3473	4.1190	4.7711	3473	4023	0	4096	4096

	TIME	MODE	VERBNOUN	P	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397748.54	63	6 63	28985	- 1200	- 3 22	338	21255	99 79	2118	336	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397749.28	0.459	75.1904	0.0878	0.0242	- 0.1495	0.3748	ACTUAL
	397749.28	0.1[illegible]7	75.2014	0.3647	- 0.0933	- 0.0878	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+105[illegible]	- 156[illegible]	+ 753419.9	+ 200811.9	+ 299.35	+ 439.70	+ 355.94	+ 8776.43
ENV	[illegible]	+117[illegible]	- 156[illegible]	+ 753423.0	+ 200828.3	+ 299.43	+ 439.55	+ 356.02	+ 8805.95
ERR	[illegible]	167.31	29.6	3.0	16.3	0.07	0.14	0.07	29.51
AGC	IN FEET/BDS	+232[illegible]	- 5120[illegible]	+ 2471350.3	+ 658832.0	+ 982.14	+1442.61	+1167.81	+ 28794.08
ENV	AND FEET/S	+23601.04	- 5120672.7	+ 2471360.5	+ 658885.6	+ 982.38	+1442.12	+1168.05	+ 28890.91

PIPTIME: [illegible]5 P63: BRAKQUAD TPIP: 3.97749280000 05

	R AND C			V AND VG		
[illegible]	-[illegible]71957[illegible] 02	-5.90681874909 04	-1.52892585569 01	9.79804992675 -01	6.39861822128 02	
[illegible]	1.65[illegible] 01	-6.08987499999 [illegible]	-1.51278431591 01	-2.14385986328 -01	6.44337844848 02	

	LAND	TTF	CG			AFC
1.7358[illegible]	-4.8855[illegible] 01	1.83062499959 03	-2.00515004882 02	1.00 0.00 0.00		4.75702574476 00
				0.00 1.00 0.00		
	TRANSIENT [illegible]017			0.00 0.00 1.00		

	UNFC			UNWC		
[illegible] -01	[illegible] -04	-9.64481521263 -01	9.99426671684 -01	-2.70500777490 -04	-3.38563842482 -02	

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7750.29	[illegible]	[illegible]	3463	4.1190	4.757C	3463	4000	0	4096	4096

	TIME	MODE	VERBACUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7750.54	63	[illegible] 63	28794	- 1211	- 3 20	331	2099B	55 80	2094	340	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3 7751.28	[illegible]	75.1794	0.1867	0.0215	- 0.1014	0.2723	ACTUAL
	[illegible]7751.20	[illegible]7	75.2014	0.1647	- 0.0933	- 0.0988	- 0.0109	DESIRED

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                TIME      |   MASS      |          RN                          |          VN                  |   ALTITUDE
AGC   3977[illegible].279 | +105[illegible].05 | - 15[illegible]155.9  +  754299.9  +  201519.9 | + 296.75  + 433.70  + 351.41 | +   8717.93
ENV   397751.27[illegible] | +1[illegible]675.4[illegible] | - 158[illegible]171.3  +  754296.2  +  201535.[illegible] | + 296.82  + 433.56  + 351.49 | +   8731.50
ERR   [illegible]         |   166.38    |        15.3          3.7          15.8  |   0.07     0.14     0.07  |      13.56

AGC   IN POUNDS   +2316[illegible].35 | - 5118622.0  + 2474737.5  +  661154.8 | + 973.60  +1422.92  +1152.94 | +  28602.15
ENV   AND FEETS   +2353[illegible].17 | - 5118672.5  + 2474725.1  +  661206.8 | + 973.84  +1422.44  +1153.18 | +  28646.66
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                                                  ||||||||||||||
      PIPTIME:   [illegible]77512800[illegible]  C5          P63:  BRAKQUAD                    TPIP:      3.97751280000  05
                                                  ||||||||||||||

                    R AND RG                                                    V AND VG
 1.74[illegible]  C6  -4.69[illegible]749[illegible]  C2  -5.77968749999  04  -1.63418292999  01  9.94682312011 -01  6.31574220275  02
 7.76124[illegible]  C3  1.6624[illegible]  C1  -5.96186249999  C4  -1.61937713623  C1  -1.99890136718 -01  6.36450195312  02

                    LAND                                                        TTF                          CG                    AFC
 1.73[illegible]  C  -4.86624[illegible]  C2  1.82174999999  C3  -1.98353701171  02  1.00  0.00  0.00   4.74146800115  00
                                                                                      0.00  1.00  0.00
                    TRANSIENT  0.012                                                  0.00  0.00  1.00

                    UNFC                                                        UNWC
 0.643471[illegible] -01  1.28516[illegible]14 -04  -9.64427572617 -01  9.99451054184 -01  -2.69368288370 -04  -3.31288051473 -02
*****************************************************************************************************************************

              TIME       MASS      FWEIGHT   FCCLC     AF       AFC       FP       FC       PIF    PIPRSET   REG55
THROTTLE:   [illegible]752.29  10[illegible]  0        2470     4.1390    4.7414   3470     3976     0      4096     4096
*****************************************************************************************************************************

              TIME       MODE   VERBACLN    H      HDOT     TTF      RANGE    ABVEL    TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   397752.54    63     6  63     28602   - 1222   - 3.18     325     20741    99.80     2068      344     9999
*****************************************************************************************************************************

              CELTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:   3[illegible]7753.28   0.[illegible]67   75.0915    0.1206    0.0031   - 0.0398   - 0.0419      ACTUAL
            [illegible]7752.[illegible]   0.[illegible]87   75.2014    0.1647   - 0.0933   - 0.0988   - 0.0219      DESIRED
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	TIME	MASS	RN			VN			ALTITUDE
AGC	297[illegible]	+10419.[illegible]	- 1559575.9	+ 755167.9	+ 202219.9	+ 294.13	+ 427.70	+ 346.86	+ 8655.93
ENV	297753.7[illegible]	+10[illegible]	- 1559580.3	+ 755157.3	+ 202234.3	+ 294.20	+ 427.55	+ 346.94	+ 8656.39
ERR	[illegible]	15[illegible].02	4.3	10.6	14.3	0.07	0.15	0.07	0.45
AGC	IN POUNDS	+231[illegible]	- 5116714.1	+ 2477585.3	+ 663451.4	+ 965.01	+1403.21	+1138.00	+ 28398.74
ENV	AND FEETS	+2[illegible]469.2[illegible]	- 5116733.4	+ 2477550.2	+ 663498.3	+ 965.25	+1402.72	+1138.26	+ 28400.23

PITIME: [illegible] PB3: BRAKQUAL TPIP: 3.97753280000 05

	R AND G			V AND VG	
1.743[illegible]	-4.67[illegible]	-5.65412499999 04	-1.72846721649 01	9.99546051025 -01	6.24064254760 02
1.742[illegible]	1.62[illegible]	-5.83541243999 04	-1.72397613525 01	-1.94931[illegible]3027[illegible] -01	6.28540420532 02

	LEND		TTF	CG			AFC	
1.735[illegible]	-4.84[illegible]	1.81287499995 03	-1.96197578515 02	1.00	0.00	0.00	4.72501153126	00
				0.00	1.00	0.00		
	TRANSIENT .025			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] -01	1.621[illegible]	-9.64309216375 -01	9.99547461413[illegible] -01	-2.68228351874	-04	-3.24102416398 -02

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	297754.31	10[illegible].59		3469	4.1450	4.7250	3469	3951	0	4096	4096

	TIME	MCD	VERBACUM	H	HOUT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	297754.58	61[illegible]	0 63	28399	- 1233	- 3 16	318	20482	59 80	2042	279	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	297755.02	0.8745	75.0585	0.2307	- 0.0065	0.1256	- 0.1268	ACTUAL
	297755.29	0.1867	75.2014	0.1647	- 0.0933	- 0.0988	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397756.279	+10450.15	- 1558995.9	+ 756013.9	+ 202909.9	+ 291.48	+ 421.68	+ 342.30	+ 8585.68
ENV	397756.279	+10450.72	- 1558994.5	+ 756006.4	+ 202923.6	+ 291.56	+ 421.52	+ 342.37	+ 8580.60
ERR	0.00	16.56	1.4	13.5	13.6	0.07	0.15	0.07	5.07
AGC	TK POUNDS	+23095.42	- 5114816.2	+ 2680386.5	+ 665715.2	+ 956.33	+1383.49	+1123.04	+ 28168.26
ENV	AK POUNDS	+22413.41	- 5114811.5	+ 2480336.0	+ 665759.8	+ 956.57	+1382.97	+1123.29	+ 28151.60

TPTIME: 3.97755280000 C5 PGS: BRAKQUAL TPIP: 3.97755280000 C5

R AND RD			V AND VG		
1.74760174595 C6	-4.85637499999 C2	-5.53012499999 C4	-1.84078693389 C1	1.00440079003 C0	6.16131573266 C2
7.65974[illegible] C5	1.58749[illegible] C1	-5.71052499999 C4	-1.82662963867 C1	-1.90353353554 -C1	6.20608139038 C2

LAND			TTF		CG			AFC
1.73565[illegible]7494 C4	-4.81874999999 C2	1.80359999999 C3	-1.94048388671 C2	1.00	0.00	0.00		4.70830826088 C0
				0.00	1.00	0.00		
TRANSIENT C.C52				0.00	0.00	1.00		

UNFC				UNWC		
0.65[illegible] -C1	1.14[illegible]77 -C4	-9.64067112160 -C1	9.99497369630 -C1	-2.67095862014 -C4	-3.17007375602 -C2	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397756.29	10450.15	0	3472	4.1540	4.7083	3472	3926	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMO
DISPLAYS:	397756.54	63	6 63	28168	- 1243	- 3.14	311	20223	99.80	2016	115	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397757.26	0.[illegible]8	75.1464	0.2966	- 0.0134	0.1870	- 0.4445	ACTUAL
	397757.2	0.1[illegible]7	75.1135	0.1647	- 0.0933	- 0.1098	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+1342.081	- 1558414.9	+ 756855.9	+ 2035859.9	+ 288.82	+ 415.63	+ 337.75	+ 8508.37
ENV	[illegible]	+1[illegible]5.83	- 1558414.	+ 756843.4	+ 2036078.8	+ 288.90	+ 415.47	+ 337.82	+ 8504.14
ERR	[illegible]	165.01	0.0	12.5	13.8	0.07	0.15	0.07	4.23
AGC	IN FLIGHT	+[illegible]	- 5112[illegible]	+ 2483123.3	667946.1	947.57	+1363.61	+1108.12	+ 27914.61
ENV	AFTER BURN	+[illegible]	- 5112907.1	+ 2483082.1	667951.5	947.83	+1363.12	+1108.36	+ 27900.73

PIPTIME: 3.97757[illegible] 05 PGS: BRAKQUAD TPIP: 3.97757280000 05

	R AND RD		V AND VG	
[illegible]	-4.[illegible]	-5.407[illegible]8749999 04	-1.94312526153 01	1.04923248291 00	6.08167266845 02
7.67[illegible]	1.6[illegible]	-5.5871[illegible]9999999 04	-1.92928314208 01	-1.45721435546 -01	6.12643051147 02

	LAND		TTF	CG			AFC	
[illegible]	-4.7[illegible] 02	1.79512499999 03	-1.91506767578 02	1.00	0.00	0.00	4.69103688374 00	
				0.00	1.00	0.00		
	TRANSIENT 0.08			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] -01	-2.1[illegible] -04	-5.63662960635 -01	9.99519341412 -01	-2.65918670293 -04	-3.10002488790 -02	

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	1342.081	0	3470	4.1740	4.6510	3470	3900	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	63	6 63	27915	- 1255	- 3.11	305	19963	99.80	1990	- 24	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	0.[illegible]98	75.0476	- 0.0659	0.0062	- 0.1058	0.0009	ACTUAL
	[illegible]	0.1[illegible]7	74.9816	0.1647	- 0.0988	- 0.0549	- 0.0549	DESIRED

	TIME	MASS					VN			ALTITUDE
AGC	[illegible]	+10[illegible].54	- 1557833.9	+ 757677.9	+ 204259.9	+ 286.15	+ 409.58	+ 333.16	+	8424.37
ENV	35775.779	+10555.93	- 1557838.9	+ 757668.3	+ 204274.8	+ 286.22	+ 409.43	+ 333.24	+	8427.03
ERR	.001	164.3[illegible]	4.9	9.6	14.8	0.07	0.15	0.07		2.66
AGC	IN POUNDS	+2290.20	- 5111002.5	+ 2485820.2	+ 670144.3	+ 938.83	+1343.78	+1093.07	+	27639.02
ENV	AND FEETS	+[illegible]271.02	- 5111021.1	+ 2485768.5	+ 670193.2	+ 939.07	+1343.28	+1093.33	+	27647.76

FIPTIME: 2.97759280000 05 PEG: BRAKQUAD TPIP: 3.97759280000 05

	F AND			V AND VG	
1.742[illegible]49 06	-4.617455[illegible] 02	-5.28683124999 04	-2.04551696777 01	1.05409622192 00	6.00019030709 02
7.023174[illegible] 01	1.5374[illegible] 01	-5.46544999999 04	-2.03157475248 01	-1.41143798828 -01	6.04666137695 02

	LAND		TTF		CG			AFC	
1.715[illegible]1874[illegible] 06	-4.77124999999 02	1.78624999999 03	-1.89770312499 02	1.00	0.00	0.00		4.67476900666 00	
				0.00	1.00	0.00			
TRANSITION	0.122			0.00	0.00	1.00			

	UNFC				UNWC		
[illegible]178 -01	-2.40531444[illegible]7 -04	-9.63087904527 -01	9.99540545092 -01	-2.64719126647 -04	-3.03088871379 -02		

	TIME	MASS	FWFIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	4977600[illegible]	10351.54	0	3465	4.1790	4.6747	3465	3876	0	4096	4096

	TIME	MODE	VERBCOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	29776[illegible].58	63	6 63	27639	- 1267	- 3 9	298	19702	99 80	1963	- 149	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7761.00	0.9118	74.9557	0.2636	0.0275	- 0.2180	0.4823	ACTUAL
	3[illegible]7761.28	0.1[illegible]67	74.8937	0.1647	- 0.0988	- 0.1208	- 0.0439	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+10362.27	- 1557251.9	+ 7584855.9	+ 2049210.9	+ 283.45	+ 403.53	+ 328.57	+ 8334.87
ENV	[illegible]	+10596.4	- 1557269.1	+ 7584811.1	+ 2049368.8	+ 283.52	+ 403.38	+ 328.65	+ 8349.17
ERR	[illegible]	16.67	17.1	4.8	14.8	0.07	0.15	0.07	14.29
ACC	IN FEETS	+2284[illegible]	- 5109[illegible]4.4	+ 2488471.1	+ 672316.2	+ 929.56	+1323.94	+1078.00	+ 27345.39
ENV	ALL FEETS	+2321[illegible].71	- 5109150.8	+ 2488455.3	+ 672364.8	+ 930.20	+1323.43	+1078.25	+ 27392.30

P63: BRAKQUAD

FIRTIME: 3.97761[illegible] TPIP: 3.97761280000 05

	R AND G			V AND VG	
1.7436[illegible] 59 06	-4.5962[illegible]999999 02	-5.1675562[illegible]999 04	-2.1449470[illegible]2C0 01	1.0585959[illegible]6093 00	5.9219112[illegible]962 02
7.5701[illegible] 03	1.5124[illegible] 5 01	-5.3452[illegible]749999 04	-2.1317291[illegible]2597 01	-1.3618469[illegible]382 -01	5.9666671[illegible]529 02

	LANE		TTF	CG			AFC
1.7[illegible]	-4.7474[illegible] 02	1.7773745[illegible]999 03	-1.8764086[illegible]4257 02	1.00	0.00	0.00	4.6566128[illegible]307 00
				0.00	1.00	0.00	
	TRANSIENT [illegible]139			0.00	0.00	1.00	

	UNFC			UNWC		
2.715[illegible] -01	-2.7318[illegible] -04	-9.6243124172[illegible] -01	9.9556100[illegible]534 -01	-2.6351213[illegible]548 -04	-2.9626622[illegible]832 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7762.30	1[illegible]62.7	[illegible]	3467	4.1940	4.6566	3467	3850	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]76[illegible].58	63	[illegible] 63	27345	- 1276	- 3 7	292	19441	[illegible]	1928	- 248	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]7762.30	[illegible]	74.6151	0.2746	0.0141	- 0.3104	0.1123	ACTUAL
	3[illegible]7762.23	[illegible]	74.7619	0.1647	- 0.0988	- 0.0988	- 0.0439	DESIRED

	TIME	MASS	KN			VN			ALTITUDE
AGC	397765.29	+10331.7	- 1556673.5	+ 759279.9	+ 205571.9	+ 280.71	+ 397.47	+ 323.99	+ 8240.74
ENV	397763.279	+10436.14	- 1556704.8	+ 759281.8	+ 205589.5	+ 280.78	+ 397.31	+ 324.07	+ 8270.62
ERR	[illegible]	1[illegible].87	30.8	1.8	17.5	0.07	0.15	0.07	29.87
AGC	IN POUNDS	+22700.73	- 5107198.1	+ 2491776.1	+ 674448.8	+ 920.96	+1304.04	+1062.97	+ 27036.58
ENV	ANGLICCTS	+2314[illegible].80	- 5107209.5	+ 2491782.2	+ 674506.3	+ 921.20	+1303.53	+1063.22	+ 27134.60

PIPTIME: 3.977632[illegible]00 05 PGM: BRAKQUAD TPIP: 3.97763280000 05

	R AND VG			V AND VG		
1.7434[illegible] 06	-4.57499[illegible] 02	-5.04987499999 04	-2.24141120910 01	1.09376907348 00	5.84169769287 02
7.51037[illegible] 00	[illegible].487490[illegible] 01	-6.22672499999 04	-2.72846984863 01	-1.01470947265 -01	5.88645172119 02

	LAND		TTF	CG			AFC
1.7[illegible]	-4.72374[illegible] 02	1.76849999999 03	-1.85519921874 02	1.00	0.00	0.00	4.63777687400 00
				0.00	1.00	0.00	
	TRANSIENT 0.154			0.00	0.00	1.00	

	UNFC				UNWC		
2.74115275183 -03	-5.23756842862 -04	-4.61696699318 -01	9.99580725556 -01	-2.62305138416 -04	-2.89534849614 -02		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397764.30	10333.57	0	3470	4.2090	4.6377	3470	3824	0	4096	4096

	TIME	MODE	VERBACLA	H	HDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397764.54	63	6 63	27037	- 1299	- 3 5	285	19179	99 80	1910	- 323	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397765.28	0.238	74.5092	0.0876	0.0005	0.0904	- 0.0978	ACTUAL
	397765.28	0.1867	74.6740	0.1647	- 0.0988	- 0.1757	- 0.0659	DESIRED

	TIME	MASS	RA			RN			VN			ALTITUDE
AGC	[illegible]	+19394.2	- 1556097.9	+	7610559	+ 2062119	+ 277.91	+ 391.42	+ 319.38	+		8142.37
ENV	2977650.27	+19466.24	- 1556146.1	+	7600779.4	+ 2062330	+ 277.99	+ 391.26	+ 316.46	+		8191.43
ERR	0.0	31.09	48.1		10.4	21.0	0.07	0.16	0.08			49.05
AGC	IN POUNDS	+22710.75	- 5115398.3	+	2493635.1	676548.5	+ 911.79	+1284.20	+1047.83	+		26713.82
ENV	ANE POUNDS	+23079.87	- 5105466.2	+	2492669.4	676617.6	+ 912.05	+1283.68	+1048.10	+		26874.78

PIPTIME: 3.97765280000 05 P63: BRAKQUAL TPIP: 3.97765280000 05

	LANDC			V AND VG	
1.74335719 49 06	-4.553124 [illegible] 02	-4.93378749999 04	-2.33290672302 01	1.09863281250 00	5.76116228103 02
7.34[illegible] 03	1.46249999999 01	-5.10974999999 04	-2.32025146484 01	-9.68933105468 -02	5.80591583251 02

	LANC			TTF			CG			AFC	
1.72589[illegible] 06	-4.655559[illegible]9900 02	1.75962499999 03	-1.83407685546 02	1.00	0.00	0.00				4.61860054219	00
				0.00	1.00	0.00					
	TRANSITAT 0.162			0.00	0.00	1.00					

	LNFC			UNWC	
[illegible] -01	-5.54319[illegible]587 -04	-9.60914905137 -01	9.99559738006 -01	-2.61068341673 -04	-2.82894966339 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	97766.00	19394.25	0	3477	4.2290	4.6186	3477	3797	0	4096	4096

	TIME	MODE	VELBACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97766.08	63	6 63	26714	- 1299	- 3 3	279	18916	99 80	1885	- 392	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97767.28	0.448	74.3774	0.0549	- 0.0146	0.0922	- 0.2874	ACTUAL
	97767.08	0.1867	74.4543	0.1647	- 0.0988	- 0.1428	- 0.0549	DESIRED

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          TIME      |   MASS    |          RN                |          VN                |   ALTITUDE
AGC   397767.279    | +10275.31 | - 1555525.9 + 760827.9 + 206843.9 | + 275.10 + 385.27 + 314.75 | +  8040.49
ENV   397767.279    | +10436.33 | - 1555592.9 + 760846.9 + 206867.3 | + 275.18 + 385.21 + 314.83 | +  8111.62
ERR       .001      |   161.02  |     66.9    18.9    23.3   |   0.07    0.15    0.08   |    71.12

AGC   IN POUNDS     +22652.95   | - 5103431.7 + 2496154.8 + 678622.0 | + 902.58 +1264.36 +1032.65 | + 26379.59
ENV   AN FEETS      +23007.94   | - 5103651.2 + 2496216.9 + 678698.6 | + 902.84 +1263.84 +1032.92 | + 26612.92

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      PIPTIME:        3.977672[illegible]C5          P63:  BRAKQUAD                    TPIP:        3.97767280000  05
                                                  |||||||||||||

                  R AND RG                                                          V AND VG
  1.74[illegible]67249999  06  -4.5[illegible]9999  02  -4.81930624999  04  -2.42344856262  01  1.09348297119  00  5.68050527572  02
  7.37537[illegible]9999  03  1.64[illegible]99999  01  -4.99428749999  04  -2.41107940673  01  -1.01852416992  -01  5.72525787353  02

                  LAND                                  TTF                        CG                        AFC
  1.7358[illegible]87499  06  -4.67624999999  02  1.75074999999  03  -1.81301235351  02  1.00  0.00  0.00  4.59906412288  00
                                                                                        [illegible]  1.00  0.00
                  TRANSIENT  0.170                                                      0.00  0.00  1.00

                  UNFC                                                              UNWC
  [illegible]  -01  -5.21909359947  -04  -9.60040708950  -01  9.99618055112  -01  -2.59831548172  -04  -2.76246952186  -02

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          TIME      MASS      FWEIGHT   FCCLE     AE        AFC       FP        FC        PIF       PIFPSET   REG55
THRTTLE:  397768.29 10275.31  0         3471      4.2340    4.5990    3471      3770      0         4096      4096

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          TIME      MODE  VERBNOUN  H       HDOT     TTF     RANGE   ABVEL   TTF LPD  FORVEL  DELTAH   THRCMD
DISPLAYS: 397769.54 63    6  63     26380   - 1309   - 3  1   273     18653   99 80    1858    - 444    9999

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          COLTIME     COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 977692.[illegible]  0.448     74.2126   - 0.0139  - 0.0043  0.0059    - 0.1589    ACTUAL
          397769.28   0.1867    74.2346   0.1647    - 0.0988  - 0.1318  - 0.0439    DESIRED

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	MASS	PA			VM			ALTITUDE
AGC [illegible]	+1[illegible]245.[illegible]	- 1554555.9	+ 7615810.9	+ 2074650.9	+ 272.26	+ 379.33	+ 310.12	+ 7935.62
ENV [illegible]	+1 4 6.4	- 1555045.2	+ 7616110.3	+ 2074920.3	+ 272.34	+ 379.17	+ 310.20	+ 8031.21
ERR	1[illegible].58	85.3	29.3	26.3	0.07	0.15	0.08	95.59
AGC IN [illegible]	+22587.96	- 5101561.6	+ 2458628.6	+ 680662.7	+ 893.26	+1244.54	+1017.45	+ 26035.51
ENV ALL [illegible]TS	+2[illegible].00	- 5101854.8	+ 2458724.0	+ 680749.3	+ 893.50	+1244.02	+1017.73	+ 26349.13

PIPTIME: 3.977[illegible] 05 P63: BRAKQUAD TPIP: 3.9776928 0000 05

	R AND RC			V AND VG		
1.74315 1.074[illegible]	-4.50[illegible] 74 [illegible] 02	-4.7064374999 04	-2.5110340 1184 01	1.0883331 2988 00	5.5997276 3061 02
7.3[illegible]	1.4249 [illegible] 09 01	-4.8806249 3999 04	-2.4990081 7871 01	-1.0719299 3164 -01	5.6444778 4423 02

	LAND	TTF	CG	AFC
1.7[illegible] 01	-4.6[illegible]245 [illegible] 02	1.7418749 3999 03	-1.7920258 3062 02	1.00 0.00 0.00
				0.00 1.00 0.00
	TRANSIENT .142			0.00 0.00 1.00

	LAND			UNWC		
3.5[illegible]4 -01	-4.776153 4684 -04	-5.5956059681 -01	9.9963569 4184 -01	-2.5658730 0201 -04	-2.6989109 7540 -02

	TIME	MASS	PWEIGHT	FCLLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	1977[illegible]0.28	1[illegible]	0	3469	4.2440	4.5785	3469	3743	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	1977[illegible]0.54	63	6 63	26030	- 1318	- 2.59	266	18390	59.86	1831	- 484	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	1977[illegible]0.28	0.[illegible]	74.0148	0.1659	0.0116	- 0.3223	0.1640	ACTUAL
	1977[illegible]	0.1[illegible]7	74.0148	0.1647	- 0.0988	- 0.1208	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397771.279	+10216.43	- 1554305.9	+ 762325.9	+ 208079.9	+ 269.38	+ 373.29	+ 305.49	+ 7833.49
ENV	397771.270	+10376.50	- 1554502.5	+ 762363.6	+ 208108.1	+ 269.45	+ 373.13	+ 305.57	+ 7950.26
ERR	0.10	160.07	197.5	37.6	28.1	0.07	0.15	0.08	116.76
ACC	IN POUNDS	+22635.15	- 5099724.4	+ 2501065.5	+ 682677.1	+ 883.81	+1224.73	+1002.28	+ 25700.45
ENV	ANG DEGS	+22870.05	- 5100077.3	+ 2501193.0	+ 682765.6	+ 884.05	+1224.21	+1002.55	+ 26083.55

PIPTIME: 3.977712800000 05 PEG: BRAKQUAL TPIP: 3.97771280000 05

	R AND RG			V AND VG	
1.743162688740 C6	-4.487459[illegible]9 C2	-4.59515374999 C4	-2.54466171264 C1	1.09319686889 C0	5.51882934570 C2
7.02874 [illegible] C3	1.412[illegible]9 C1	-4.76848749999 C4	-2.58286337158 C1	-1.02615356445 -C1	5.56357574462 C2

	LAND		TTF	CG	AFC
1.735895187499 C6	-4.628749[illegible]999 C2	1.73299999999 C3	-1.7711224[illegible]093 C2	1.00 0.00 0.00	4.55595552921 C0
				0.00 1.00 0.00	
	TRANSIENT 0.168			0.00 0.00 1.00	

	UNFC				UNWC	
2.658517475 -C1	-5.20367[illegible]4934 -C4	-9.58261768497 -C1	9.99652673490 -C1	-2.57357952341 -C4	-2.63527256530 -C2

	TIME	MASS	EWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397772.25	10216.42	0	3468	4.2540	4.5559	3468	3714	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397772.54	63	6 63	25700	- 1327	- 2.57	260	18126	99.86	1804	- 415	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397773.28	0.777	73.7622	0.0549	0.0245	- 0.3100	0.3526	ACTUAL
	397773.2	0.1867	72.8830	0.1647	- 0.0988	- 0.0998	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+10137.11	- 1552855.5	+ 763063.9	+ 208685.9	+ 266.45	+ 367.25	+ 300.85	+ 7747.93
FNV	97777.279	+10346.9[illegible]	- 1553867.5	+ 763103.9	+ 208714.7	+ 266.53	+ 367.09	+ 300.94	+ 7868.86
EKR	[illegible]	15[illegible].46	111.5	39.9	28.7	0.07	0.15	0.08	120.93
AGC	IN FLIGHTS	+1245[illegible]	- 5097952.7	+ 2503490.8	+ 684665.3	+ 874.15	+1204.91	+ 987.07	+ 25419.74
LNV	ARE [illegible]DITS	+[illegible]810.0[illegible]	- 5098318.6	+ 2503621.8	+ 684759.7	+ 874.45	+1204.39	+ 987.34	+ 25816.49

FIPTIME: [illegible] 05 P63: BRAKGUAD TPIP: 3.97773280000 05

	R AND C			V AND VG		
[illegible]5249 [illegible]	-4.46[illegible] 02	-4.48561874999 04	-2.67432212829 01	1.09806060791 00	5.43761014938 02
[illegible]	1.5274[illegible]99999 01	-4.65802499999 04	-2.66628112792[illegible] 01	-9.76562500000 -02	5.48235702514 02

	LANE		TTF	CG			AFC
1.7[illegible]1749[illegible] 0[illegible]	-4.6[illegible]49 02	1.72412499999 03	-1.75033383789 02	1.00	0.00	0.00	4.53092157840 00
				0.00	1.00	0.00	
	TRANSIENT [illegible]071			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible]705 -01	-5.5672[illegible]724 -04	-5.57902701787 -01	9.99669009295 -01	-2.56106255872 -04	-2.57255954957 -02

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7774.29	10137.11	[illegible]	3474	4.2740	4.5309	3474	3683	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97774.6[illegible]	3	[illegible] 63	25420	- 1335	- 2.55	254	17861	55.80	1778	- 85	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97775.2[illegible]	[illegible]887	73.6633	0.2197	0.0178	0.0318	0.2421	ACTUAL
	97775.2[illegible]	[illegible]7	73.7951	0.1647	- 0.0988	- 0.1318	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397775.279	+10157.89	- 1553321.9	+ 763795.9	+ 209283.9	+ 263.49	+ 361.21	+ 296.22	+ 7674.31
ENV	397775.279	+10316.66	- 1552437.4	+ 763932.0	+ 209311.9	+ 263.56	+ 361.05	+ 296.29	+ 7786.94
ERR	0.00	158.77	105.4	36.0	27.9	0.07	0.16	0.07	112.63
AGC	TH PLONDS	+22374.08	- 5096233.5	+ 2505892.3	+ 686627.2	+ 864.47	+1185.10	+ 971.85	+ 25178.19
ENV	AND ECCTS	+22744.12	- 5096579.6	+ 2506010.6	+ 686719.0	+ 864.72	+1184.56	+ 972.10	+ 25547.72

PIPTIME: 3.97775280000 05 P63: BRAKQUAD TPIP: 3.97775280000 05

	R AND VG			V AND VG		
	1.74301737499 06	-4.44974[illegible]99 02	-4.37769999999 04	-2.75102615356 01	1.10292434652 00	5.35627079010 02
	7.12545599999 [illegible]	1.37[illegible]999 03	-4.54522499999 04	-2.73983001708 01	-9.30786132812 -02	5.40101623535 02

	LAND		TTF	CG			AFC	
	1.72[illegible]187499 [illegible]	-4.58124999999 02	1.71524999999 03	-1.72963417968 02	1.00 0.00 0.00		4.5041204430 1	00
					0.00 1.00 0.00			
	TRANSIENT	.002			0.00 0.00 1.00			

	UNFC			UNWC	
1.871264[illegible]5382 -01	-5.04312552126 -04	-9.57892508007 -01	9.99684718859 -01	-2.54862009874 -04	-2.51077263951 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THRTTLE:	397775.20	10157.89	0	2472	4.2340	4.5041	3472	3650	0	4096	4096

	TIME	MUX	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397776.54	63	6 63	25178	- 1343	- 2 53	249	17596	99 80	1752	153	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397775.2[illegible]	0.6457	73.6303	0.1867	- 0.0089	0.1986	- 0.3143	ACTUAL
	397777.2	0.1067	73.6633	0.1647	- 0.1988	- 0.0109	- 0.0329	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+1013.74	- 1552817.9	+ 764515.9	+ 209871.9	+ 260.50	+ 355.15	+ 291.57	+ 7602.56
ENV	[illegible]	+1036.74	- 1552913.3	+ 764548.0	+ 209899.9	+ 260.58	+ 354.99	+ 291.65	+ 7704.54
ERR	[illegible]	157.[illegible]	95.3	32.0	27.9	0.07	0.16	0.07	101.98
ACC	IN FEETS	+[illegible]	- 5094547.2	+ 2508254.5	+ 688556.4	+ 854.67	+1165.22	+ 956.60	+ 24942.79
ENV	[illegible] FEETS	+2267[illegible].15	- 5094859.9	+ 2508359.8	+ 688647.9	+ 854.93	+1164.67	+ 956.85	+ 25277.37

TITIME: 3.97777[illegible] D5

P63: PRARCUAC

TPIP: 3.97777280000 D5

	R AND RC			V AND VG	
[illegible] C4	-4.421[illegible] D2	-4.27141874999 D4	-2.62676215940 C1	1.11780166625 D0	5.27461051940 D2
[illegible]	1.62[illegible] D1	-4.44204993999 D4	-2.81581878662 D1	-7.62012939453 -C2	5.31935501098 D2

	LAND		TTF	CG			AFC	
[illegible]	-4.55745[illegible] D2	1.70637459959 C3	-1.70905449218 D2	1.00	0.00	0.00	4.47454396635 D0	
				0.00	1.00	0.00		
TRANSIENT 0.013				0.00	0.00	1.00		

	LNFC				UNWC			
[illegible] -D3	-7.2[illegible]d7401 2 -D4	-9.57948741270 -C1	9.99659818119 -D1	-2.53580509236 -D4	-2.44991703488 -D2			

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	1012.[illegible]	0	3474	4.2590	4.4745	3474	3616	0	4096	4096

	TIME	MODE	VERBANOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	3	[illegible] 63	24943	- 1350	- 2.50	243	17330	99.80	1725	195	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	[illegible]	73.7731	0.1[illegible]18	- 0.0133	0.3295	- 0.3761	ACTUAL
	[illegible]	[illegible]	72.6633	0.1647	- 0.0988	0.0000	- 0.0439	DESIRED

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              TIME      |   MASS    |                 RN                  |                 VN                  |   ALTITUDE
AGC   397770.279        | +10256.68 | - 1552311.9 + 765225.9 + 210451.9 | + 257.50 + 349.07 + 286.50 | + 7532.43
ENV   397770.279        | +10256.81 | - 1552295.1 + 765252.0 + 210478.5 | + 257.58 + 348.91 + 286.98 | + 7621.66
ERR                     |   15.13   |       30.1      26.0       26.5   |   0.07    0.15    0.07     |    89.22

AGC   IN POUNDS         | +2226.75  | - 5052881.1 + 2517582.9 + 690459.3 | + 844.83 +1145.26 + 941.29 | + 24712.72
ENV   ARE FEETS         | +2261.17  | - 5093159.9 + 2510669.3 + 690546.3 | + 845.08 +1144.74 + 941.55 | + 25005.47

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      PIPTIME:        3.977752[illegible]CCC  C5  P63:  BRAKQUAD                    TPIP:        3.97779280000  05
                                                  ||||||||||||||

                                R AND VG                                                    V AND VG
  1.742927[illegible]  C4  -4.[illegible]  02  -4.16677499999  04  -2.90253162384  01  1.13267[illegible]8559  C0  5.19263029098  02
  7.0[illegible]  01  1.4[illegible]  C1  -4.33652499999  04  -2.8918457C312  C1  -6.33239746093  -C2  5.23737335205  02

                                LAND                                TTF                         CG                          AFC
  1.7[illegible]  -4.[illegible]  02  1.6[illegible]  C3  -1.66858837890  02  1.00  0.00  0.00  4.44266246631  00
                                                                                  0.00  1.00  0.00
                                                                                  0.00  0.00  1.00
                              TRANSIENT  0.C18

                                UNFC                                                        UNRC
  [illegible]  -01  -8.4[illegible]  -C4  -9.58033515184  -01  9.99714323919  -01  -2.52299009259  -C4  -2.38999350444  -02

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              TIME      MASS      FWEIGHT   FCCLD     AF        AFC       FP        FC        PIF       PIFPSET   REGSS
THROTTLE:     397780.29 10099.68  0         3476      4.3140    4.4426    3476      3580      0         4096      4096

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              TIME      MODE  VERBNOUN  H       HDOT    TTF     RANGE   ARVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:     397780.54 63    6  63     24713   - 1358  - 2.48  237     17062   99.80     1698     231      9999

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              CDUTIME   CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:     397781.02 [illegible]  73.5270  - 0.0765  - 0.0067  - 0.1290  - 0.2097   ACTUAL
              397781.02 [illegible]  73.6633    0.1647  - 0.0988    0.0000  - 0.0549   DESIRED

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	TIME	MASS	PN			VN			ALTITUDE
AGC	[illegible]	+1[illegible]7.70	- 1551811.9	+ 765923.9	+ 211022.9	+ 254.51	+ 342.99	+ 282.21	+ 7463.74
ENV	[illegible]	+1[illegible]6.8[illegible]	- 1551[illegible]82.9	+ 765943.7	+ 211047.8	+ 254.58	+ 342.82	+ 282.30	+ 7538.28
ERR	[illegible]	15.17	70.9	19.7	23.8	0.07	0.16	0.08	74.53
AGC	IN POUNDS	+[illegible]	- 5091246.7	+ 25128740	+ 692335.9	+ 835.61	+1125.29	+ 925.90	+ 24487.36
ENV	AND FEETS	+72546.1[illegible]	- 5091479.5	+ 25129380.8	+ 692414.1	+ 835.25	+1124.76	+ 926.18	+ 24731.92

TIPTIME: 3.977812[illegible]05

PEG: BRAKQUAL

TFIP: 3.977812[illegible]0000 05

	P AND PC			V AND VG	
1.7[illegible]	-4.1762[illegible] 02	-4.06577499999 04	-2.97933101654 01	1.12748146057 00	5.11053085327 02
6.[illegible]	1.83745[illegible] 01	-4.23263749999 04	-2.97689258789 01	-6.86445507812 -02	5.15527343750 02

	LANC		TTF	CG			AFC
1.735[illegible]	-4.65[illegible] 02	1.68862499999 03	-1.68822421874 02	1.00	0.00	0.00	4.41080424934 00
				0.00	1.00	0.00	
	TRANSIENT 0.017			0.00	0.00	1.00	

	UNFC				UNWC		
[illegible]	-4.2[illegible] -04	-9.58121078139 -01	9.99728251824 -01	-2.51032411261 -04	-2.33100726466 -02		

	TIME	MASS	FREIGHT	FCCLU	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	1[illegible]	0	347	4.3190	4.4108	3470	3544	0	4096	4096

	TIME	MODE	VF BALUR	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	03	6 63	24487	- 1367	- 2.46	232	16795	99.80	1671	266	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	1.[illegible]7	7.5534	- 0.0639	0.0257	- 0.4556	0.6303	ACTUAL
	[illegible]	0.1067	7.6633	0.1647	- 0.0988	0.0000	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+10[illegible]1.02	- 1551319.9	+ 766611.9	+ 211583.9	+ 251.48	+ 336.50	+ 277.50	+ 7395.56
ENV	397783.279	+10196.94	- 1551376.8	+ 766693.3	+ 211607.7	+ 251.56	+ 336.74	+ 277.58	+ 7454.37
ERR	.0[illegible]	155.74	56.8	11.3	23.7	0.07	0.16	0.08	58.81
ACC	IN PCUN S	+2136.93	- 5[illegible]56[illegible].5	+ 2515131.2	+ 694173.2	+ 825.07	+1105.34	+ 910.46	+ 24263.65
ENV	AN FLLTS	+2280.18	- 5089818.9	+ 2515168.4	+ 694251.0	+ 825.33	+1104.79	+ 910.72	+ 24456.61

PIPTIME: 3.977832[illegible]0C0 C5 P63: ERAKQUAD TPIP: 3.97783280000 05

R AND R				V AND VG			
1.742837[illegible]74[illegible] C6	-4.35474999999 C2	-3.96242499999 C4	-3.05315494537 C1	1.11222267150 C0	5.02821254730 02
6.9[illegible] 0989 [illegible]	1.2499[illegible] 294 C1	-4.13039999999 C4	-3.04295E4CC878 C1	-8.43C48C657C3 -C2	5.07295227050 02

LANC	TTF	CG	AFC
1.7[illegible] [illegible] -4.48824999850 C2	1.67574999999 C3	-1.64796977539 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	4.37563983723 00

TRANSIENT 0.C34

UNFC	UNWC
6.8[illegible]79 [illegible] -C1 -0.87[illegible]7814 -C4 -9.58289478578 -01 9.99741617951 -01	-2.49750911349 -C4 -2.27296C53598 -02

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397784.30	1041.20	0	3472	4.3340	4.3756	3472	3505	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMO
DISPLAYS:	397784.56	63	6 63	24264	- 1375	- 2.44	226	16527	99.80	1644	281	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7785.28	1[illegible].437	73.2996	0.2197	0.0260	- 0.0668	0.2171	ACTUAL
	397785.28	0.1867	73.6633	0.1647	- 0.0933	0.0000	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+1[illegible]011.77	- 155C833.9	+ 767285.9	+ 212137.9	+ 248.39	+ 330.80	+ 272.79	+ 7327.74
ENV	3977[illegible]	+1[illegible]167.	- 1550876.7	+ 767290.7	+ 212158.2	+ 248.47	+ 330.66	+ 272.88	+ 7370.04
ERR	[illegible]	1[illegible]5.22	42.7	4.7	20.2	0.07	0.16	0.08	42.29
AGC	IN FEETS	+22871.96	- 5088[illegible]	+ 2517342.5	+ 695990.8	+ 814.95	+1085.32	+ 895.01	+ 24041.17
ENV	ANL F TS	+22414.17	- 5088178.[illegible]	+ 2517358.0	+ 696057.1	+ 815.20	+1084.78	+ 895.30	+ 24179.93

FIPTIME: 3.97785280000 05 P63: BRAKQUAD TPIP: 3.97785280000 05

	R AND C			V AND VG		
[illegible]	-4.33124[illegible]99 02	-3.86272499999 04	-3.12300205230 01	1.11699104309 00	4.94547510147 02
[illegible] 03	1.31249[illegible]9999 01	-4.02981249999 06	-3.11313629150 01	-7.97271728515 -02	4.99021530151 02

	LANC		TTF	CG			AFC	
[illegible]	-4.46243[illegible] 02	1.67087499999 02	-1.62786352539 02	1.00	0.00	0.00	4.33884095400	00
				0.00	1.00	0.00		
	TRANSIENT 0.44			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] -01	-7.36[illegible]49 1943 -04	-9.58508218335 -01	9.99754438020 -01	-2.48469412750 -04	-2.21585631748 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3977[illegible]6.30	10011.77	0	3482	4.3550	4.3388	3482	3466	0	4096	4096

	TIME	MGLE	V FBACUR	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]77[illegible]6.54	[illegible]5	[illegible] 63	24041	- 1383	- 2.42	221	16257	55.80	1617	293	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7787.2[illegible]	1.[illegible]546	73.6610	0.1208	0.0099	0.3242	0.0317	ACTUAL
	3977[illegible]7.25	[illegible].1867	73.6633	0.1647	- 0.0933	0.0329	- 0.0329	DESIRED

EDIT OF [illegible] TAPE #[illegible] 4 /CYLES /LUM 1B LANDING

	TIME	MASS	RN	VN	ALTITUDE
AGC	3977[illegible]7.279	+ 9932.44	- 1550355.9 + 767949.9 + 212679.9	+ 245.31 + 324.67 + 268.08	+ 7260.31
ENV	3977[illegible]7.279	+1[illegible]137.05	- 1550382.9 + 767945.8 + 212699.2	+ 245.39 + 324.50 + 268.16	+ 7285.17
ERR	0.[illegible]	154.61	26.9 4.1 19.2	0.07 0.16 0.08	24.86
AGC	IF PCORRS	+2[illegible]07.29	- 5[illegible]6469.8 + 2519520.9 + 697769.0	+ 804.85 +1065.19 + 879.54	+ 23819.92
ENV	ANL PCCTS	+2234.16	- 5086558.1 + 2519507.4 + 697832.2	+ 805.09 +1064.65 + 879.80	+ 23901.50

PIPTIME: 3.77872[illegible]000 05 PBI: BRAKQUAD TPIP: 3.97787280000 05

		R AND RG								V AND VG					
1.74374[illegible]7497	0[illegible]	-4.0874[illegible]9999	02	-3.76468124999	04	-3.19488525390	01	1.13177299499	00	4.86251926422	02				
6.86440999999	03	1.23999[illegible]9999	01	-3.93087499999	04	-3.18523406982	01	-6.48498535156	-02	4.90725708007	02				
		LAND				TTF				CG				AFC	
1.7[illegible]187499	06	-4.43874999999	02	1.66199999999	03	-1.66786352539	02	1.00	0.00	0.00				4.30014915764	00
								0.00	1.00	0.00					
		TRANSIENT 0.160						0.00	0.00	1.00					
		UNFC								UNWC					
[illegible]774[illegible]85	-[illegible]	-3.75520[illegible]7334	-04	-9.57707065547	-01	9.99766727724	-01	-2.47187911957	-04	-2.15969681297	-02				

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3977[illegible]8.29	9[illegible]82.44	0	3476	4.3640	4.3001	3476	3425	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3977[illegible].54	63	6 63	23820	- 1391	- 2.40	215	15987	99.80	1590	308	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3977[illegible].28	1.766	73.8391	0.3186	- 0.0131	0.1337	- 0.3308	ACTUAL
	3977[illegible].28	1.1867	73.6633	0.1647	- 0.0988	- 0.0109	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1549881.9	+ 768599.9	+ 213212.9	+ 242.25	+ 318.50	+ 263.34	+ 7190.49
ENV	[illegible]	+10107.11	- 1549895.1	+ 768588.7	+ 213230.8	+ 242.32	+ 318.33	+ 263.42	+ 7199.71
ERR	[illegible]	153.91	13.1	11.2	16.8	0.07	0.16	0.08	9.21
AGC	IN POUNDS	+21942.81	- 5084914.6	+ 2521653.5	+ 699552.9	+ 794.79	+1044.55	+ 863.59	+ 23590.87
ENV	ANE POUNDS	+262[illegible].13	- 5084957.9	+ 2521616.5	+ 699576.2	+ 795.04	+1044.40	+ 864.26	+ 23621.10

FIPTIME: 3.[illegible] 05 P63: BRAKQUAL TPIP: 3.97789280000 05

	R AND C			V AND VG	
1.74[illegible] 06	-4.2[illegible] 02	-3.66829374399 04	-3.26598559820 01	1.14655494689 00	4.77924394607 02
[illegible] 03	1.28743[illegible] 01	-4.83359999999 04	-3.26042175292 01	-5.03540039062 -02	4.82398223876 02

	LANE		TTF	CG			AFC
1.73[illegible] 06	-4.41[illegible] 02	1.65312459999 03	-1.58801967773 02	1.00	0.00	0.00	4.25999285653 00
				0.00	1.00	0.00	
	T ANSIENT [illegible].203			0.00	0.00	1.00	

	UNFC				UNWC		
[illegible] -01	-[illegible].19216746[illegible]0 -03	-9.56682292342 -01	9.99778502217 -01	-2.45906410898 -04	-2.10448576542 -02		

	TIME	MASS	FWEIGHT	FCOID	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	197790.30	99[illegible].19	0	3473	4.3740	4.2599	3473	3383	0	4096	4096

	TIME	MODE	VERBNOUN	H	FCOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	577[illegible].8	[illegible]	6 63	23591	- 1402	- 2.38	210	15716	99.80	1562	273	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	7791.28	1[illegible].766	73.5974	0.1098	- 0.0212	0.0442	- 0.4906	ACTUAL
	7791.[illegible]	[illegible]	73.5756	0.1647	- 0.0988	- 0.1318	- 0.0439	DESIRED

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                TIME        |   MASS    |          RN                |          VN                |   ALTITUDE
AGC   397791.79             | + 95.402  | - 1549411.9  + 769235.9  + 213735.9  | + 239.14  + 312.32  + 258.61  | +  7116.93
ENV   397791.279            | +10077.15 | - 1549413.6  + 769215.2  + 213752.9  | + 239.21  + 312.16  + 258.69  | +  7113.65
ERR   0.00                  |  15.17    |      1.6       16.7       16.9       |   0.07    0.16    0.08      |      3.27

AGC   IN POUNDS             +21878.50   | - 5083372.7  + 2523740.1  + 701233.5  | + 784.58  +1024.70  + 848.46  | +  23349.53
ENV   ABL FCCTS             +22216.10   | - 5083378.0  + 2523685.0  + 701289.2  | + 784.83  +1024.15  + 848.73  | +  23338.77

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      PIPTIME:        3.97791280000  05           P63:  BRAKQUAD                          TPIP:        3.97791280000  05
                                                  !!!!!!!!!!!!!!

                    R AND G                                                    V AND VG
  1.74064316740  06  -4.83129[illegible]9999  02  -3.57356874999  04  -3.34074497222  01   1.17135047912  00   4.69575071334  02
  6.761 740[illegible]999  3  1.27[illegible]999  01  -3.73798743999  04  -3.33160400390  01  -2.55584716796  -02  4.74048614501  02

                    LAND                                                       TTF                          CG                          AFC
  1.73580187499  06  -4.39124999999  02   1.64424999999  03  -1.56831015624  02   1.00  0.00  0.00   4.21792967244  00
                                                                                   0.00  1.00  0.00
                    TRANSIENT  0.222                                               0.00  0.00  1.00

                    UNFC                                                                UNWC
  [illegible]4.247548  -01  -1.5[illegible]44110  -03  -9.55545730363  -01   9.99789775857  -01  -2.44587660187  -04  -2.05022990998  -02

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                TIME        MASS      FWEIGHT   FCCLL     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE:       397792.30   2824.02   0         3475      4.3890    4.2179    3475      3340      0         4096      4096

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                TIME        MODE  VERBNOUN   H        HDOT     TTF      RANGE     ABVEL     TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS:       397792.54   63    6  63      23350    - 1411   - 2.36   205       15444     99.80     1535      214       9999

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                CPUTIME     CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:       397793.23   1.1656    73.3007   - 0.2526  0.0009    - 0.3043  0.0144    ACTUAL
                397793.28   0.1867    73.3557   0.1647    - 0.0988  - 0.1428  - 0.0659  DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1548543.9	+ 769857.9	+ 2142459.9	+ 235.98	+ 306.19	+ 253.84	+ 7039.49
ENV	[illegible]	+1 047.2[illegible]	- 1548938.3	+ 769837.3	+ 2142859.5	+ 236.06	+ 306.02	+ 253.92	+ 7027.08
ERR	[illegible]	1[illegible]	6.6	20.6	15.5	0.07	0.16	0.08	12.41
AGC	IN POUNDS	+21814.3[illegible]	- 5081837.2	+ 2525780.8	702919.9	+ 774.23	+1004.57	+ 832.81	+ 23095.47
ENV	ABL POUNTS	+2213[illegible].16	- 5081818.6	+ 2525713.2	702971.1	+ 774.49	+1004.02	+ 833.09	+ 23054.74

PIPTIME: 3.477933[illegible]00 05 PEG: BRAKQUAD TPIP: 3.9779328[illegible]0000 05

	R AND RC			V AND VG	
1.74[illegible]2459 06	-4.3[illegible]9999 02	-3.48050624999 04	-3.40672016143 01	1.15609169006 00	4.61214017868 02
1.65[illegible] 01	1.274[illegible]99 01	-3.64403749999 04	-3.39782714843 01	-4.08172607421 -02	4.65687561035 02

	LAMC		TTF	CG			AFC
1.7[illegible]918745	-4.36745[illegible]999 02	1.63537499999 03	-1.54872280273 02	1.00	0.00	0.00	4.17402014136 00
				0.00	1.00	0.00	
	TRANSIENT 0.238			0.00	0.00	1.00	

	UNFC			UNWC	
[illegible]1177135 -01	-1.17[illegible]4284285 -03	-9.54309345100 -01	9.99800564810 -01	-2.43276354499 -04	-1.99692619240 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]4.2[illegible]	5[illegible]4.93	0	3473	4.3950	4.1740	3473	3295	0	4096	4096

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3.77[illegible]4.54	6[illegible]	6 63	23095	- 1.419	- 2.34	200	15172	5[illegible].80	1507	156	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.779[illegible]	1.1[illegible]874	73.223[illegible]	- 0.0219	0.0320	- 0.2839	0.6144	ACTUAL
	3.779[illegible]	0.1[illegible]67	73.1359	0.1647	- 0.0988	- 0.1538	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397756.279	+ 9865.94	- 1548461.9	+ 770467.9	+ 214753.9	+ 232.79	+ 300.06	+ 245.04	+ 6959.24
ENV	397756.279	+13017.24	- 1548479.4	+ 770443.3	+ 214768.6	+ 232.87	+ 299.80	+ 246.12	+ 6940.05
ERR	[illegible]	151.29	12.5	24.6	14.6	0.07	0.17	0.08	19.19
ACC	IN PCDCTS	+21750.46	- 5080321.5	+ 2527782.1	+ 704573.4	+ 763.77	+ 984.47	+ 817.09	+ 22832.18
ENV	AN FCCTS	+22784.01	- 5080230.2	+ 2527771.1	+ 704621.5	+ 764.02	+ 983.90	+ 817.37	+ 22769.22

PIPTIME: 3.97795280000 C5 P63: BRAKQUAD TPIP: 3.97795280000 05

	R AND RG			V AND VG		
1.74[illegible]2227459 C6	-4.21749999999 C2	-3.38911249999 C4	-3.46971988677 01	1.12990110778 C0	4.52831220626 02	
6.6[illegible] 03	1.62493[illegible] C1	-3.55176249999 C4	-3.46103668212 01	-7.59124755859 -C2	4.57304382324 02	

	LAND		TTF	CG	AFC
1.73[illegible]187499 C6	-4.34374999999 C2	1.62649999999 C3	-1.52928852539 02	1.00 0.00 0.00	4.12910943850 C0
				0.00 1.00 0.00	
	TRANSIENT 0.259			0.00 0.00 1.00	

	UNFC			UNWC		
3.031[illegible]420 -01	-3.81338[illegible]578 -C4	-9.52947E38576 -C1	9.99810883427 -01	-2.41987407574 -04	-1.94457918700 -02	

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397756.30	9865.94	0	3474	4.4140	4.1291	3474	3250	0	4096	4096

	TIME	MOD	VEGBACKA	H	FDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397756.59	63	6 63	22832	- 1426	- 2.32	195	14900	99.80	1480	112	9999

	CDLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397756.28	1.1[illegible]9[illegible]	72.7954	0.2625	0.0239	- 0.3679	0.3568	ACTUAL
	397756.25	0.1867	72.9162	0.1647	- 0.0098	- 0.1867	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]43	- 1548021.9	+ 7710639	+ 215247.9	+ 229.56	+ 293.91	+ 244.28	+ 6876.43
ENV	[illegible]	+ 9[illegible]7.28	- 1548016.9	+ 771036.9	+ 215262.1	+ 229.64	+ 293.73	+ 244.37	+ 6852.58
ERR	[illegible]	15[illegible].84	15.1	27.0	14.1	0.07	0.17	0.09	23.85
AGC	IN FEETS	+21615.4[illegible]	- 5[illegible]3	+ 2529737.5	+ 706154.2	+ 753.17	+ 964.27	+ 801.47	+ 22560.49
ENV	ABS [illegible]	+22017.94	- 5[illegible]762.7	+ 2529648.7	+ 706240.7	+ 753.41	+ 963.70	+ 801.76	+ 22482.23

FIPTIME: [illegible] 05 PEG: BRAKQUAD TPIF: 3.97797280000 05

	R AND RC			V AND VG	
1.7424[illegible]67+999 06	-4.1[illegible]4999[illegible] 02	-3.29999374999 04	-3.52574891662 01	1.13568305969 00	4.44426727294 02
[illegible] 01	1.24559999999 01	-3.46116249999 04	-3.52130889892 01	-6.14166259765 -02	4.48899841308 02

	LAND		TTF	CG			AFC	
1.7[illegible]9 06	-4.[illegible]999 02	1.61762499999 03	-1.51000834765 02	1.00	0.00	0.00	4.08207997679	00
				0.00	1.00	0.00		
	TRANSIENT 0.287			0.00	0.00	1.00		

	UNFC			UNWC		
[illegible] -01	-1.[illegible]2621307 -03	-9.51435621618 -01	9.99820746490 -01	-2.40713356133 -04	-1.89319028041 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TH TITLE:	[illegible]	[illegible]	0	3476	4.42[illegible]	4.0820	3476	3204	0	4096	4096

	TIME	MCEF	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	779[illegible].54	63	6 63	22560	- 1433	- [illegible].30	190	14626	99.80	1452	76	9999

	COUTINE	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]79[illegible].28	1.1056	72.4548	0.1318	- 0.0062	0.1752	- 0.3299	ACTUAL
	77[illegible]	0.1[illegible]67	72.6086	0.1647	- 0.0588	- 0.2416	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39779.279	+ 9867.00	- 1547569.9	+ 771645.9	+ 215731.9	+ 226.25	+ 287.77	+ 239.53	+ 6791.56
ENV	3977 9.279	+ 9957.31	- 1547550.9	+ 771618.2	+ 215746.1	+ 226.33	+ 287.50	+ 239.62	+ 6764.81
ERR	0.00	15.31	19.0	27.7	14.1	0.07	0.17	0.09	26.74
AGC	IN POUNDS	+21870.52	- 5077329.2	+ 2531646.9	+ 707782.1	+ 742.30	+ 944.13	+ 785.87	+ 22282.02
ENV	AND FEETS	+21951.3[illegible]	- 5077256.7	+ 2531556.0	+ 707828.7	+ 742.55	+ 943.56	+ 786.17	+ 22194.28

PIPTIME: 3.97799280000 05 PEG: BRAKQUAD TPIP: 3.97799280000 05

	R AND			V AND VG	
1.7423[illegible]24999 06	-4.171874999999 02	-3.21135624999 04	-3.581880999755 01	1.160479959191 00	4.36000585556 02
0.496374 99[illegible] 03	6.237499[illegible]9 01	-3.37223749999 04	-3.673570285146 01	-3.662109275000 -02	4.40473556518 02

	LAND			TTF		CG			AFC	
1.7358[illegible]187499 06	-4.2962[illegible] 02	1.6087499999 03	-1.490865[illegible]2421 02	1.00	0.00	0.00	4.03200276196 00
				0.00	1.00	0.00	
	TRANSIENT [illegible]82			0.00	0.00	1.00	

	UNFC			UNRC	
[illegible] 7[illegible]2012 -01	-1.301[illegible]641 -03	-9.499070[illegible]312 -01	9.99830167824 -01	-2.3940205[illegible]868 -04	-1.84276475831 -02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978[illegible].30	9867.[illegible]	0	3481	4.4489	4.0320	3481	3155	0	4096	4096

	TIME	MILE	VERBACUM	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible].59	63	0 63	22282	- 1438	- 2 29	185	14352	99 80	1425	45	9999

	CCLTIME	C UX	CDLY	CDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978[illegible].28	1.1 56	72.1651	0.0878	- 0.0172	- 0.0440	- 0.3546	ACTUAL
	3978[illegible].28	0.18 7	72.2570	0.1647	- 0.0988	- 0.1647	- 0.0439	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+ 9777.67	- [illegible]5471218.5	+ 7722195.9	+ 2162059.9	+ 222.00	+ 281.67	+ 234.76	+ 6704.99
ENV	3676 1 [illegible]	+ 9[illegible]7.14	- 15471101.5	+ 7721187.3	+ 2162209.6	+ 222.98	+ 281.49	+ 234.85	+ 6676.72
ERR	[illegible]	1[illegible]5.67	20.4	28.6	14.6	0.07	0.17	0.08	28.27
AGC	IN FLIGHTS	+21555.85	- 9[illegible]758592.5	+ 2533517.0	+ 709337.2	+ 731.32	+ 924.13	+ 770.23	+ 21998.03
ENV	ANL PLOTS	+21[illegible].82	- 9[illegible]757972.5	+ 2533423.1	+ 709385.9	+ 731.57	+ 923.55	+ 770.52	+ 21905.27

PIPTIME: [illegible] 05 P63: BRAKGOAL TPIP: 3.97801280000 05

R AND RG			V AND VG		
[illegible]	-4.1[illegible]749[illegible] 04	-3.12499999999 04	-3.62890243530 01	1.15523338317 00	4.27582836151 02
[illegible]	1.[illegible]74599[illegible] 01	-3.28499749999 04	-3.60091064453 01	-4.19616699218 -02	4.32055664062 02

LANC		TTF	CG			AFC
[illegible]	-4.02724995[illegible] 02	1.59987499999 03	-1.47187207031 02	1.00 0.00 0.00		3.98010481148 00
				0.00 1.00 0.00		
TRANSENT [illegible]289				0.00 0.00 1.00		

UNFC		UNHC	
[illegible] -01	-1.3[illegible]1[illegible]676 -02	-9.48313191558 -01 9.99839162553 -01	-2.38075850200 -04 -1.79329959885 -02

	TIME	MASS	FREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978020[illegible]	9777.7	0	3475	4.4539	3.9801	3475	3105	0	4096	4096

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ARVEL	TTF LPO	FCPVEL	DELTAH	THRCMD
DISPLAYS:	3978020.58	63	[illegible] 63	21598	- 1441	- 2.27	181	14078	99.80	1397	21	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978030.[illegible]	1[illegible]2C6	71.8835	0.1757	- 0.0070	0.0598	- 0.1814	ACTUAL
	[illegible]7603[illegible]	[illegible]767	72.0373	0.1647	- 0.0988	- 0.1977	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3978 3.279	+ 9746.42	- 1546677.9	+ 772773.9	+ 216671.9	+ 219.48	+ 275.58	+ 230.01	+ 6617.24
ENV	3978 0.279	+ 9897.36	- 1546658.5	+ 772744.2	+ 217685.6	+ 219.56	+ 275.40	+ 230.10	+ 6588.48
ERR	0.00	140.94	19.0	29.7	13.6	0.08	0.17	0.08	28.76
AGC	IN POUNDS	+2141.27	- 5074402.8	+ 2535347.7	+ 710866.1	+ 720.09	+ 904.15	+ 754.64	+ 21710.13
ENV	ANG FECTS	+2181.74	- 5074340.5	+ 2535250.2	+ 710910.8	+ 720.36	+ 903.57	+ 754.93	+ 21615.76

PIPTIME: 3.97803280000 05 PGS: BRAKQUAD TPIP: 3.97803280000 05

	R AND RG				V AND VG			
1.74224456249	06	-4.12562499999	02	-3.04032499999	04	-3.66902828216	01	1.17001533508	00	4.19143466022	02
0.35[illegible]	03	1.22499[illegible]	01	-3.19942499999	04	-3.66123199462	01	-2.70843505859	-02	4.23616027832	02

	LAND			TTF		CG			AFC	
1.73589[illegible]7499	06	-4.24874999999	02	1.59099999999	03	-1.49304042968	02	1.00	0.00	0.00	3.92595771700	00
								0.00	1.00	0.00		
	TRANSIENT 0.285							0.00	0.00	1.00		

	UNFC				UNWC			
2.22[illegible]37[illegible]31 -01	-1.48919943274	-03	-9.46719320855	-01	9.99847744540	-01	-2.36764547771	-04	-1.74479706278	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3980 4.29	9743.42	0	3480	4.4739	3.9259	3480	3053	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THPCMD
DISPLAYS:	3974 4.54	63	6 63	21710	- 1443	- 2 25	176	13804	99 80	1370	3	5999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3975 5.28	1.1206	71.8615	- 0.0219	0.0020	- 0.5078	0.0032	ACTUAL
	3978 0.28	0.1867	71.7297	0.1647	- 0.1043	- 0.2197	- 0.0549	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
ACC	[illegible]	+ 971.[illegible]	- 1546241.9	+ 773317.9	+ 217125.9	+ 216.04	+ 269.49	+ 225.25	+ 6528.18
ENV	[illegible]	+ 867.[illegible]	- 1546223.2	+ 773289.0	+ 217141.0	+ 216.13	+ 269.31	+ 225.34	+ 6500.16
ERR	[illegible]	14.1[illegible]	18.7	28.9	15.0	0.08	0.17	0.09	28.02
AGC	IN FEETS	+21427.07	- 507297.4	+ 2537132.5	+ 712355.6	+ 708.82	+ 884.16	+ 739.03	+ 21417.93
ENV	IN FEETS	+21757.65	- 507.911.0	+ 2537037.4	+ 712405.0	+ 709.09	+ 883.59	+ 739.33	+ 21325.99

FIFTIME: 3.97805280000 05 PEG: BRAKQUAD TPIF: 3.97805280000 05

	R AND C			V AND VG	
[illegible]	-4.1[illegible] 02	-2.95734374999 04	-3.70F18614955 01	1.18479728698 00	4.10692596435 02
[illegible]	1.22459[illegible] 01	-3.11556999999 04	-3.7.063781738 01	-1.25885009765 -02	4.15164947509 02

	LAND		TTF	CG			AFC
1.73[illegible]	-4.2[illegible] 02	1.58212499999 03	-1.43438608398 02	1.00	0.00	0.00	3.86870699003 00
				0.00	0.00	0.00	
	TRANSIENT	.324		0.00	0.00	1.00	

	UNFC				UNWC		
3.2740[illegible]	-1.70257849483 -03	-9.44883469964 -01	9.99855927183 -01	-2.35423445480 -04	-1.69726088483 -02		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	FIFPSET	REG55
THROTTLE:	[illegible]	71.25	0	3473	4.4789	3.8687	3474	3000	0	4096	4096

	TIME	MCEL	VE BNCUR	H	FCOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	5[illegible]	6 63	2141[illegible]	- 1444	- 2 23	172	13525	55 P[illegible]	1342	- 16	9999

	CEUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	1.1[illegible]	71.2353	- 0.2[illegible]25	0.0262	- 0.5067	0.46[illegible]	ACTUAL
	[illegible]	0.1[illegible]	71.2781	0.1647	- 0.1043	- 0.1867	- 0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3978C[illegible]	+ 96[illegible]	- 1545811.9	+ 773849.9	+ 217571.9	+ 212.56	+ 263.45	+ 220.45	+ 6438.43
ENV	367[illegible]70.276	+ 9837.40	- 1545794.5	+ 773821.5	+ 217586.9	+ 212.64	+ 263.27	+ 220.54	+ 6411.78
ERR	[illegible]	147.22	17.4	28.4	14.9	0.07	0.18	0.09	26.65
AGC	IN POUNDS	42136[illegible]	- 5071561.6	+ 2538877.9	+ 713818.8	+ 697.38	+ 864.34	+ 723.26	+ 21123.48
ENV	AND FEETS	+.16167.55	- 5071504.3	+ 2538784.7	+ 713868.0	+ 697.64	+ 863.74	+ 723.56	+ 21036.03

PIPTIME: 3.97807290000 05 P63: BRAKQUAD TPIP: 3.97807280000 05

	R AND RG			V AND VG		
1.74205[illegible]	6	-+0.[illegible]7974[illegible]999 9	02	-2.87604999999 04	-3.74138355255 01	1.13959312438 00	4.02230167388 02
[illegible]	03	1.2249[illegible]	01	-2.03337499999 04	-3.73401641845 01	-5.70833984375 -02	4.06702423095 02

	LAND			TTF		CG			AFC	
1.73569[illegible]7499	6	-4.20124[illegible]	02	1.57324999999 03	-1.41590E78306	02	1.00 0.00 0.00	3.80915589630	00
							0.00 1.00 0.00		
	TRANSIENT	0.328					0.00 0.00 1.00		

	UNFC					UNWC		
0.32[illegible]61	-01	-1.23164[illegible]3	-03	-9.42995403548 -01	9.99862724144 -01	-2.34112142407 -04	-1.65069176964	-02

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	3978C8.[illegible]	969[illegible].18	C	3474	4.4939	3.8091	3474	2945	0	4096	4096

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	976[illegible].5[illegible]	63	6 63	21123	- 1444	- 2.21	167	13253	99.80	1313	- 27	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	4978[illegible]9.28	1.1315	70.8618	0.0329	0.0220	0.0151	0.4189	ACTUAL
	39780.28	0.1867	71.0705	0.1647	- 0.0988	- 0.2416	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 9[illegible]0.61	- 1545387.9	+ 774365.9	+ 218067.9	+ 208.98	+ 257.43	+ 215.64	+ 6348.06
ENV	3578[illegible]0.279	+ 9807.42	- 1545372.	+ 774342.1	+ 218023.2	+ 209.07	+ 257.25	+ 215.73	+ 6323.47
ERR	[illegible]	146.81	15[illegible]	27.8	15.2	0.08	0.17	0.09	24.58
AGC	IN FEETS	+21297.78	- 5070170.8	+ 2540583.9	+ 715249.3	+ 685.65	+ 844.59	+ 707.48	+ 20826.97
ENV	AND FEETS	+21621.44	- 5070120.7	+ 2540492.4	+ 715299.3	+ 685.93	+ 844.00	+ 707.78	+ 20746.31

FIPTIME: 3.97E[illegible] 05 P63: 8KAKQUAC TPIP: 3.97809280000 05

	R AND RG			V AND VG		
1.74[illegible]	-4.[illegible]562[illegible] 02	-2.78644999999 04	-3.7656C6EEC18 01	1.09438896179 00	3.93736124038	02
6.1E4[illegible]	1.21[illegible] 01	-[illegible]95286749799 04	-3.75843048095 01	-1.02996826171 -01	3.98208236694	02

	LAND		TTF		CG			AFC	
1.73[illegible]	-4.17749[illegible] 02	1.56437499999	-1.39763847656	C2	1.00	0.00	0.00	3.74652212485	00
					0.00	1.00	0.00		
	TRANSIENT 0.315				0.00	0.00	1.00		

	LNFC				UNWC			
1.37[illegible] -01	-[illegible].395[illegible]09 -04	-9.41157641766 -01	9.99871149182 -01	-2.32815740646 -04	-1.60508825102 -02			

	TIME	MASS	WEIGHT	FC LO	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]781.2[illegible]	[illegible]	0	3487	4.5239	3.7465	3487	2888	0	4096	4096

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPO	FCPVEL	DELTAH	THRCMD
DISPLAY.:	3578[illegible].54	63	6 63	20827	- 1442	- 2.19	163	12976	99.80	1285	- 37	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE.:	3578[illegible].26	[illegible].1425	70.8398	0.3735	- 0.0124	0.1553	- 0.2771	ACTUAL
	3578[illegible].3	[illegible].1467	70.7195	0.1647	- 0.0988	- 0.1757	0.0000	DESIRED

	TIME	MASS		IN				VN				ALTITUDE
AGC	397811.275	+ 9631.11	- 1544971.9	+ 774977.9	+ 218433.9		+ 205.37	+ 251.38	+ 210.88		+	6257.43
ENV	397811.279	+ 9777.43	- 1544958.2	+ 774950.5	+ 218444.9		+ 205.46	+ 251.20	+ 210.97		+	6235.39
ERR	[illegible].310	14.31	13.7	27.4	15.9		0.08	0.17	0.09			22.04
AGC	IN POUNDS	+21232.76	- 5068805.7	+ 2542250.6	+ 716646.9		+ 673.79	+ 824.76	+ 691.86		+	20529.65
ENV	AND FEETS	+21559.33	- 5068760.7	+ 2542160.6	+ 716699.3		+ 674.08	+ 824.17	+ 692.16		+	20457.33

PIPTIME: 3.97811280000 05 P63: BRAKQUAL TPIP: 3.97811280000 05

R AND RG				V AND VG		
1.74137[illegible]7499 C4	-4.[illegible]34374999999 02	-2.71854374999 C4	-3.78686904907 01	1.10917091369 00	3.85240650177 02	
9.04[illegible]999999 03	1.187[illegible]99 C1	-2.87408749999 C4	-3.77999722656 C1	-8.85009765625 -02	3.89712524414 02	

LAND			TTF	CG			AFC	
1.735[illegible]51-7499 06	-4.1[illegible]374999999 C2	1.55549999999 C3	-1.37955727539 02	1.00 0.00 0.00	3.68007458746 00	
				0.00 1.00 0.00		
TRANSIENT 0.235				0.00 0.00 1.00		

UNFC				UNWC		
3.43[illegible]21740174 -01	-1.[illegible]09[illegible]2788 -03	-3.39136707994 -01	9.99878214925 -01	-2.31578944878 -04	-1.56045406224 -02	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397812.30	9631.11	0	3480	4.5289	3.6800	3480	2828	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397812.5[illegible]	63	6 63	20530	- 1438	- 2 17	159	12700	99 80	1259	- 45	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397812.[illegible]	1.142[illegible]	70.2885	0.1977	- 0.0329	- 0.1505	- 0.6227	ACTUAL
	397812.25	[illegible].167	70.4113	0.1647	- 0.0988	- 0.2416	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1544562.0	+ 77E373.9	+ 218849.9	+ 201.71	+ 245.35	+ 206.14	+ 6167.99
ENV	[illegible]	+ 747.44	- 1544550.9	+ 77E346.9	+ 218867.1	+ 201.79	+ 245.17	+ 206.23	+ 6147.46
ERR	[illegible]	14.71	13.0	27.0	17.1	0.08	0.17	0.09	20.53
AGC	IN FEETS	+21167.9[illegible]	- 5067467.1	+ 2543877.9	+ 718011.8	+ 661.78	+ 804.97	+ 676.32	+ 20236.22
ENV	[illegible] FEETS	+214[illegible].21	- 5067424.4	+ 2543785.2	+ 718068.0	+ 662.05	+ 804.39	+ 676.62	+ 20168.85

PIPTIME: [illegible] C5 P63: BRAKGOAC TPIP: 3.97813280000 05

	R AND R			V AND VG	
1.741[illegible]	-4[illegible]	-2.64234374999 04	-3.80315780639 01	1.14388465881 00	3.76743745803 02
5.5[illegible]	1.174[illegible]	-2.70659999999 04	-3.79639671875 01	-5.37172314453 -02	3.81215286254 02

	LAND		TTF	CG			AFC
[illegible]	-4.129999[illegible] 02	1.546624999[illegible] 03	-1.36166508789 02	1.00	0.00	0.00	3.61108221113 00
				0.00	1.00	0.00	
	TRANSIENT [illegible].334			0.00	0.00	1.00	

	LNFC				UNWC		
[illegible]	-1.4[illegible] -03	-9.37120447899 -01	9.99884933935 -01	-2.30304865277 -04	-1.51679216791 -02		

	TIME	MASS	FWLIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible]	0	3477	4.5389	3.6110	3477	2766	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible]	6[illegible]	6 63	20236	- 1434	- 2.16	154	12423	99.79	1230	- 29	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978[illegible]	1.1[illegible]	70.0378	- 0.1977	- 0.0066	- 0.0845	- 0.1803	ACTUAL
	3978[illegible]	0.1[illegible]67	70.0598	0.1647	- 0.1045	- 0.2087	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397816.279	+ 9572.41	- 1544160.9	+ 775857.9	+ 219257.9	+ 197.97	+ 239.39	+ 201.38	+ 6077.93
ENV	397816.279	+ 9717.44	- 1544151.1	+ 775831.3	+ 219274.8	+ 198.05	+ 239.20	+ 201.47	+ 6059.91
ERR	0.0	145.3	10.8	26.6	16.8	0.08	0.18	0.08	18.02
AGC	IN FEETS	+2103.34	- 5066146.2	+ 2545465.8	+ 719350.3	+ 649.50	+ 785.40	+ 660.72	+ 19940.73
ENV	ARE FEETS	+ 142.07	- 5066112.5	+ 2545378.4	+ 719405.7	+ 649.78	+ 784.79	+ 661.00	+ 19881.59

PIPTIME: [illegible] CF PEG: ERTRQUAL TPIP: 3.97815280000 05

	R AND RG			V AND VG	
	1.741781174[illegible] 06	-3.9[illegible]74[illegible] 02	-2.567[illegible]374[illegible] 04	-3.8094806671[illegible] 01	1.138[illegible]3945007 00	3.68245410919 02
	3.8[illegible]374[illegible] 03	1.17[illegible] 01	-2.721[illegible]1243959 04	-3.8[illegible]2909851C7 01	-5.91278076171 -02	3.72716903686 02

	LAND		TTF	CG			AFC	
1.735[illegible] 06	-4.1[illegible]4999999 02	1.53774999999 03	-1.343980957C3 02	1.00	0.00	0.00	3.53702809661	00
				0.00	1.00	0.00		
	TRANSIENT 0.321			0.00	0.00	1.00		

	UNFC			UNWC		
3.54261[illegible] -01	-1.45937574832 -03	-9.35145203520 -01	9.99891319397 -01	-2.28978692011 -04	-1.47409959679 -02	

	TIME	MASS	FWEIGHT	FCCLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397816.30	9572.41	0	3478	4.5539	3.5370	3478	2701	0	4096	4096

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397816.5[illegible]	6[illegible]	6 6[illegible]	13641	- 1427	- 2.14	150	12146	99.79	1202	- 42	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397817.9	1.1425	70.0708	- 0.0769	0.0284	- 0.4296	0.5733	ACTUAL
	397817.66	0.1967	69.7521	0.1647	- 0.1043	- 0.2416	- 0.0229	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1543765.9	+ 776327.9	+ 219655.5	+ 194.21	+ 233.41	+ 196.58	+ 5987.81
ENV	[illegible]	+ [illegible]	- 1543758.7	+ 776303.7	+ 219673.0	+ 194.30	+ 233.23	+ 196.68	+ 5972.80
ERR	[illegible]	144.2[illegible]	7.2	24.2	17.0	0.08	0.16	0.09	15.00
AGC	IN FEETS	+21034.91	- 5064849.0	+ 2547107.8	+ 720656.1	+ 637.20	+ 765.81	+ 644.97	+ 19645.05
ENV	ANL FEETS	+21356.94	- 5064825.3	+ 2546928.4	+ 720712.0	+ 637.47	+ 765.20	+ 645.28	+ 19595.81

FIPTIME: 3.97[illegible]172[illegible]00[illegible] 05 P63: BRAKGUAD TPIP: 3.97817280000 05

R AND RC

3.7417[illegible] 74	06	-3.566249[illegible]	04	-2.49503749999	04	-3.8158416748[illegible]	01
[illegible]	[illegible]	1.624[illegible]	01	-2.64782499999	04	-3.80943298339	01

V AND VG

1.10344886779	00	3.59715652465	02
-9.42230224609	-02	3.64196859130	02

LAND

1.7[illegible]	06	-4.08245[illegible]	02

TTF

1.52887499999	03	-1.32655087890	02

CG

1.00	0.00	0.00
0.00	1.00	0.00
0.00	0.00	1.00

AFC

3.46142798662	00

TRANSIENT [illegible]365

LNFC

[illegible]	-01	-1.0715202440[illegible]	-02

-9.32869694814	-01	9.99897382963	-01

UNWC

-2.27704642463	-04	-1.43238155939	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	19781.0[illegible]	1543.19	0	3479	4.5689	3.4614	3479	2635	0	4096	4096

	TIM	MILE	VERRACUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	19781.58	45	6.63	1.645	- 1.20	- 2.12	146	11867	59.80	1174	- 49	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	19781.28	1.144	65.4885	0.4284	0.0369	- 0.5462	0.7131	ACTUAL
	19781.20	1.1[illegible]7	65.5127	0.1647	- 0.0988	- 0.2307	- 0.0169	DESIRED

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          TIME      |   MASS    |          RN                          |          VN                          |   ALTITUDE
AGC   39781[illegible]279 | + 9814.[illegible] | - 1543377.9  + 776787.9  + 220043.9  | + 190.41  + 227.42  + 191.82 | +  5897.62
ENV   39781[illegible]279 | + 9657.44 | - 1543373.9  + 776764.2  + 220061.6  | + 190.49  + 227.24  + 191.92 | +  5886.13
ERR        .000   |   14.37   |        4.0        23.7        17.6  |    0.08     0.18     0.09  |    11.48

ACC   IN FEETS  | +20974.70 | - 5063576.1  + 2548517.0  + 721929.1  | + 624.71  + 746.14  + 629.34 | + 19349.16
ENV   AN[illegible] FEETS | +21290.79 | - 5063562.9  + 2548439.1  + 721986.9  | + 624.98  + 745.54  + 629.66 | + 19311.47

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                                          ||||||||||||||
     PIPTIME:      3.97819280000  05      P63:  BRAKQUAD                          TPIP:      3.97819280000  05
                                          ||||||||||||||

                    R AND RG                                                          V AND VG
  1.74162149999  06  -3.94374999999  02  -2.42394374999  04  -3.81823062896  01   1.11823081970  00   3.51164579391  02
  5.72962[illegible]  03   1.149[illegible]  01  -2.57593749999  04  -3.81202697753  01  -7.93457031250  02   3.55635452270  02

                    LAND                                  TTF                          CG                    AFC
  1.73589187494  06  -4.05874999999  02   1.51999999999  03  -1.30936367187  02   1.00   0.00   0.00   3.38066369295  00
                                                                                     0.00   1.00   0.00
                    TRANSIENT  0.4C1                                                 0.00   0.00   1.00

                    DAFC                                                              UNWC
  [illegible]  01  -1.31199764  03  -9.30325231291  01   9.99903136639  01  -2.26430595292  04  -1.39163956274  02

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          TIME      MASS     FWEIGHT   FCCLC     AF       AFC       FP       FC       PIF    PIFPSET   REG55
THROTTLE: 39782[illegible]  9514.[illegible]     0     3480    4.5839    3.3806     3480     2566       0     4096     4096

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          TIME     MODE  VERBCLK    H      HDOT     TTF     RANGE    ABVEL   TTF LPD  FORVEL   DELTAH   THRCMD
DISPLAYS: 39782.58   63     6  63   19349  - 1412  - 2.10    142    11589    99.79    1145   -  59     9999

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          CDUTIME      CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 39782[illegible]  1.17[illegible]  68.5986   0.7031    0.0031  - 0.1088  - 0.0477     ACTUAL
          39782[illegible]  [illegible]  68.8732   0.1647  - 0.1043  - 0.2636  - 0.0219     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 3484.44	- 1542537.9	+ 777213.9	+ 220421.9	+ 186.49	+ 221.46	+ 187.13	+ 5807.87
ENV	[illegible]	+ 3627.43	- 1542996.0	+ 777212.7	+ 220440.7	+ 186.57	+ 221.27	+ 187.22	+ 5800.05
ERR	[illegible]	142.98	1.1	21.2	18.7	0.08	0.18	0.09	7.82
AGC	IN POUNDS	+209[illegible]	- 5162325.3	+ 2549910.3	+ 723169.2	+ 611.84	+ 726.57	+ 613.94	+ 19054.70
ENV	WNC POUNDS	+21224.6[illegible]	- 5062325.7	+ 2549910.5	+ 723230.8	+ 612.11	+ 725.96	+ 614.25	+ 19029.04

PIPTIME: 3.7721[illegible] 05 PEG: BRAKQUAD TPIP: 3.978212P0000 05

R AND G				V AND VG		
1.7415[illegible]	-3.[illegible] 12	-2.3545562.4999	04	-3.80765438079	C1	1.19299888610	C0	3.42622232437	02
6.6[illegible]	1.1374999[illegible]	01	-2.50566249999	04	-3.80161285400	01	-4.95910644531	-C3	3.47092819213	02

LAND		TTF		CG			AFC
1.7[illegible]	-4.[illegible] 02	1.51112499999	03	-1.29240742187	02	1.00 0.00 0.00	3.29589005559	00
						0.00 1.00 0.00		
TRANSIENT 0.260						0.00 0.00 1.00		

UNFC				UNWC			
[illegible] -01	-2.3558345[illegible] -03	-9.28032698444	-01	9.99908592481	-01	-2.25096940139	-04	-1.35187282645	-02

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE :	3978220	3484.44	0	3484	4.6019	3.2958	3484	2494	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3978220	63	6 63	19055	- 1400	- 2 9	139	11310	99 79	1119	- 60	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	3978220.2	1.29	68.3789	0.7197	- 0.1421	0.4193	- 0.9469	ACTUAL
	3978220.3	[illegible]	69.4938	0.1647	- 0.1153	- 0.2307	- 0.0878	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	39782[illegible]	+ 9454.9[illegible]	- 1542623.9	+ 777669.9	+ 220789.9	+ 182.47	+ 215.55	+ 182.44	+ 5718.62
ENV	39782.279	+ 9597.40	- 1542627.7	+ 777649.3	+ 220810.5	+ 182.56	+ 215.37	+ 182.53	+ 5714.79
ERR	0.00	142.49	3.7	20.6	20.5	0.08	0.18	0.08	3.83
AGC	IN FLIGHTS	+20866.20	- 5061102.2	+ 2551410.7	+ 724376.6	+ 598.67	+ 707.21	+ 598.58	+ 18761.89
ENV	AND EFFECTS	+21158.44	- 5061114.5	+ 2551343.1	+ 724444.0	+ 598.95	+ 706.59	+ 598.87	+ 18749.31

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PIPTIME: 3.97823280000 C5 P63: BRAKQUAD TPIP: 3.97823280000 05

R AND VG V AND VG

1.74146555555	C6	-3.89624[illegible]9999	02	-2.28688124999	04	-3.78610610961	01	1.25775327219	C0	3.34088611602	02
5.56512[illegible]	03	1.14[illegible]	01	-2.43711249999	C4	-3.78025054931	C1	5.98907470703	-C2	3.38556959960	02

LAND TTF CG AFC

1.735[illegible]18749[illegible]	04	-4.112[illegible]5555555	02	1.50224555555	C3	-1.27571049804	02	1.00	0.00	0.00	3.20632942020	00
								0.00	1.00	C.00		
		TRANSIENT	C.328					0.00	0.00	1.00		

UNFC UNWC

1.77715855592	-01	-3.41367412476	-03	-9.25916081413	-01	9.99913761826	-01	-2.23718584097	-C4	-1.31308362189	-02		

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39782.30	9454.9C	C	3494	4.6169	3.2763	3484	2415	0	4096	4096

****

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	97824.[illegible]	6[illegible]	6 63	18762	- 1385	- 2 7	135	11031	99 7[illegible]	1090	- 64	9999

****

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397825.2	0.340	6[illegible].4CCE	- C.8239	- C.1409	- C.1902	- 0.8635	ACTUAL
	397825.28	- 0.3363	68.0822	0.0769	- 0.0164	- 0.1539	- C.1539	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+ [illegible]	- 1542259.9	+ 7787816.9	+ 2211495.9	+ 178.46	+ 209.72	+ 177.65	+ 5629.43
ENV	[illegible]	+ [illegible]	- 1542236.6	+ 7787874.2	+ 2211708.8	+ 178.55	+ 209.54	+ 177.75	+ 5630.45
ERR	[illegible]	141.91	6.6	17.7	20.8	0.08	0.18	0.09	1.02
ACC	IN FEUNDS	+20775.40	- 5059908.1	+ 2552795.2	+ 7255557.7	+ 585.52	+ 688.07	+ 582.85	+ 18469.28
ENV	AND EDITS	+21002.27	- 5059929.8	+ 2552737.2	+ 7255626.1	+ 585.80	+ 687.46	+ 583.17	+ 18472.63

PIPTIME: 3.97825280000 05 P63: BRAKQUAD TPIP: 3.97825280000 05

	R AND RS				V AND VG			
1.7413[illegible]37459 [illegible]	-3.8[illegible]7[illegible]749 02	-2.22091249999 04	-3.76259462738 01	1.19252204895 00	3.25543737411 02
5.4884[illegible] [illegible]	1.14[illegible] 09 01	-2.37024993999 04	-3.75780642333 01	-5.34057617187 -03	3.30014038085 02

	LAMD		TTF		CG			AFC	
1.7[illegible] [illegible]	-3.5[illegible]74[illegible] 02	1.49337499959 03	-1.25926108358 02	1.00	0.00	0.00	3.11351614072	00
				0.00	1.00	0.00		
	TRANSIENT 0.277			0.00	0.00	1.00		

	UNFC				UNWC			
[illegible] -01	-2.6434[illegible] -03	-9.23429130166 -01	9.99918656147 -01	-2.22332774288 -04	-1.27527116981 -02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible]-7	0	3477	4.6239	3.1135	3477	2341	0	4096	4096

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	03	6 63	18469	- 1371	- 2 5	131	10751	59 79	1062	- 75	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	[illegible]	67.6428	- 1.2744	- 0.0932	- 0.7085	0.3152	ACTUAL
	[illegible]	- [illegible]	67.7746	- 0.0549	- 0.0054	- 0.2307	0.0000	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397827.279	+ 9396.12	- 1541901.9	+ 778503.9	+ 221499.9	+ 174.41	+ 203.99	+ 172.78	+ 5540.99
ENV	397827.279	+ 9537.37	- 1541914.5	+ 778487.6	+ 221521.4	+ 174.50	+ 203.80	+ 172.87	+ 5547.17
ERR	0.00	141.24	11.5	16.3	21.4	0.08	0.18	0.08	6.17
AGC	IN POUNDS	+20714.70	- 5056737.5	+ 2554146.9	+ 726706.0	+ 572.21	+ 669.27	+ 566.88	+ 18179.13
ENV	AND FEETS	+20282.09	- 5058771.4	+ 2554393.2	+ 726776.4	+ 572.50	+ 668.65	+ 567.17	+ 18199.37

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PIPTIME: 3.97827280000 05 P63: BRAKQUAL TPIP: 3.97827280000 05

R AND RG				V AND VG			
3.74129993749 06	-3.45995999999 02	-2.15664999999 04	-3.73310089111 01	1.01728439331 00	3.17007684707 02		
5.26[illegible] 03	1.13749[illegible] 01	-2.30509999999 04	-3.72760772705 01	-1.80435180664 -01	3.21477890014 02		

LAND		TTF	CG			AFC
1.73584[illegible]7499 06	-3.96074999999 02	1.48449999999 03	-1.24308896484 02	1.00 0.00 0.00		3.01505438983 00
				0.00 1.00 0.00		
TRANSIENT 0.4C3				0.00 0.00 1.00		

UNFC				UNWC		
0.89[illegible]07[illegible]7732 -01	-9.80727874487 -05	-9.20889979650 -01	9.99923286584 -01	-2.21095977071 -04	-1.23843474976 -02	

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397828.25	9396.12	0	3474	4.6335	3.0150	3474	2260	0	4096	4096

****

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397828.54	63	6 63	1817	- 1352	- 2 4	128	10472	99 79	1034	- 81	9999

****

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397829.2[illegible]	0.3965	67.0925	- 0.3735	- 0.0543	- 0.4870	1.1593	ACTUAL
	397829.25	- 0.[illegible]3 9	67.4230	0.0329	0.0219	- 0.2087	0.1538	DESIRED

****

	TIME	MASS	PN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1541551.9	+ 778903.9	+ 221835.9	+ 170.25	+ 198.29	+ 167.94	+ 5453.93
ENV	[illegible]	+ [illegible]	- 1541568.6	+ 778895.5	+ 221862.3	+ 170.34	+ 198.09	+ 168.04	+ 5464.97
ERR	[illegible]	[illegible]	16.6	14.4	22.3	0.08	0.19	0.09	11.04
AGC	IN PLANES	+20[illegible]	- 5057585.2	+ 2555459.3	+ 727821.5	+ 558.59	+ 650.59	+ 550.99	+ 17893.49
ENV	ALL LIMITS	+20[illegible]	- 5057640.0	+ 2555411.8	+ 727896.9	+ 558.86	+ 649.92	+ 551.31	+ 17929.72

PIPTIME: [illegible] PEG: BRAKQUAD TPIP: 3.978292E0000 05

	R AND C			V AND VG	
[illegible]	-3.6812491 [illegible]	-2.0940[illegible]99999 04	-3.69264125823 01	8.62026214599 -01	3.08460474014 02
[illegible]	1.0874995999 01	-2.2416624999999 04	-3.68728637695 01	-3.35633359375 -01	3.12630297851 02

	LAND		TTF	CG			AFC
[illegible]	-3.535[illegible]	1.4756249999999 [illegible]	-1.22723276367 02	1.00	0.00	0.00	2.91233416646 00
				0.00	1.00	0.00	
	TRANSIENT 1.374			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible] -01	[illegible]535 -04	-9.18528362525 -01	9.99927663835 -01	-2.20015643722 -04	-1.20257511022 -02	

	TIME	MASS	PWEIGHT	PCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	4979[illegible]30	[illegible]	0	3482	4.6589	2.9123	3482	2176	0	4096	4096

	TIME	MCL	VERRACUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THROMO
DISPLAYS:	4978[illegible]	63	[illegible] 63	17893	- 1332	- [illegible]	124	10192	99 78	1006	- 75	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	[illegible]	6.2197	66.9726	0.8569	- 0.0750	0.1446	0.8119	ACTUAL
	[illegible]	- [illegible]	67.1154	0.2526	0.0494	- 0.2416	0.1977	DESIRED

	TIME	MASS	KN			VN			ALTITUDE
AGC	[illegible]	+ 9337.70	- 1541209.9	+ 7792310.9	+ 2221690.9	+ 166.01	+ 192.49	+ 163.24	+ 5367.43
ENV	397831.279	+ 9477.32	- 1541232.2	+ 7792790.9	+ 2221930.7	+ 166.10	+ 192.30	+ 163.33	+ 5384.08
ERR	[illegible]	13.61	22.2	12.0	23.7	0.08	0.19	0.09	16.64
AGC	TN PCUNDS	+20586.90	- 5056463.2	+ 2556732.2	+ 7289040.1	+ 544.67	+ 631.56	+ 535.57	+ 17609.70
ENV	[illegible] FEETS	+20803.71	- 5056536.2	+ 2556692.7	+ 7289820.0	+ 544.94	+ 630.92	+ 535.88	+ 17664.32

TIPTIME: 3.978312000000 05

P63: BRAKQUAD

TPIP: 3.978312800000 05

	R AND RC			V AND VG	
1.741141[illegible]-749 06	-3.813749 9999 02	-2.033256249999 04	-3.046221639251 01	8.867263793964 -01	2.998920991751 02
5.249 [illegible] 99 05	1.024.99 0 99 01	-2.175924999999 04	-3.641014099912 01	-3.112792968875 -01	3.004361724853 02

	LAND		TTF		CG		AFC	
[illegible]	-3.916249999999 02	1.466749999999 03	-1.211688896484 02		1.00 0.00 0.00		2.802709585790 00	
					0.00 1.00 0.00			
	TRANSIENT 0.378				0.00 0.00 1.00			

	UNFC				UNWC		
4.014024 71785 -01	2.306995125095 -03	-9.158986911176 -01	9.099931798343 -01	-2.190247163 85 -04	-1.167692981 52 -02		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]97832.30	9337.70	- 1004	2088	4.6785	2.8027	3486	2088	- 1398	- 355	- 1753

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397832.5[illegible]	63	[illegible] 63	1761C	- 1310	- 2 1	121	9911	99 78	978	- 86	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3 7 3 0.2	0.0219	66.7085	1.4282	- 0.1206	- 0.0056	- 0.0741	ACTUAL
	39783.0 2	- 0.0029	66.7630	0.3845	0.0494	- 0.1977	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1540877.8	+ 779567.9	+ 222451.9	+ 162.26	+ 186.95	+ 158.96	+ 5281.81
ENV	[illegible]	+ 9464.77	- 1540954.1	+ 779558.7	+ 222515.8	+ 162.34	+ 186.77	+ 159.05	+ 5304.45
ERR		1[illegible]	26.1	9.2	23.8	0.08	0.18	0.09	22.64
AGC	IN FEET/S	+20[illegible]	- 5055374.0	+ 2557[illegible]	7299[illegible]	+ 532.35	+ 613.38	+ 521.52	+ 17328.78
ENV	ABL FEET/S	+20[illegible]	- 5055459.9	+ 2557935.6	7300393	+ 532.62	+ 612.76	+ 521.84	+ 17403.06

TIME: 3.97833280000 05 PEG: BRAKQUAD TPIP: 3.97833280000 05

	R AND RC					V AND VG							
[illegible]	[illegible]	2	-1.97406249999	04	-3.62584114074	01	1.04131698608	00	2.91953849792	02
[illegible]	[illegible]	00	-2.11984993999	04	-3.62079620361	01	-1.56784057617	-01	2.96423339843	02
	LAND				TTF		CG			AFC	
[illegible]	-3.[illegible]	02	1.45787499999	03	-1.19562675781	02	1.00 0.00 0.00			2.71232565864	00
							0.00 1.00 0.00				
	TRANSFNT	3463					0.00 0.00 1.00				
	UNFC						UNWC				
[illegible]	-01	-1.776[illegible]69	-04	-5.12787145589	-01	9.99935704267	-01	-2.17929483065	-04	-1.13375410752	-02

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE :	397834.28	[illegible]	- 125	2015	4.[illegible]390	2.7123	2215	2015	- 204	0	- 204

	TIME	MODE	VERBACON	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397834.5[illegible]	6[illegible]	6 63	17329	- 1297	- 1 59	118	9652	9[illegible] 78	960	- 87	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	[illegible]7835.28	- 0.177	66.1157	1.2414	- 0.1052	0.0257	- 0.0555	ACTUAL
	[illegible]7835.28	- 0.[illegible]29	66.4562	0.3845	0.0164	- 0.3186	- 0.0878	DESIRED

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          TIME     |   MASS    |          RN                |          VN                |   ALTITUDE
AGC  [illegible]   | + [illegible] | - 1540547.9  + 780035.9  + 222805.9  | + 160.67  + 182.81  + 155.99  | +   5195.37
ENV  [illegible]   | + 9431.41 | - 1540581.1  + 780028.0  + 222830.9  | + 160.75  + 182.62  + 156.08  | +   5224.34
ERR  [illegible]   |  [illegible]  |      33.1        7.9        24.9  |   0.08    0.19    0.09  |      28.96

ACC  IN POUNDS     +204[illegible].43 | - 5054251.2  + 2559173.2  + 730990.8  | + 527.14  + 599.79  + 511.78  | + 17045.19
ENV  AND FEETS     +2079[illegible].5[illegible] | - 5054400.1  + 2559147.3  + 731072.7  | + 527.42  + 599.16  + 512.09  | + 17140.22

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                                          !!!!!!!!!!!!!!
     PIPTIME:      3.97[illegible]  PEG:  PRAKQUAL                                    TPIP:      3.97835280000  05
                                          !!!!!!!!!!!!!!

                R AND RG                                                          V AND VG
1.74[illegible]  06  -2.77245[illegible]  02  -1.0161037499[illegible]  04  -3.71454715728  01   1.14593505859  00   2.86689758300  02
5.[illegible]  03   9.6[illegible]  00  -2.06108749999  04  -3.70984050292  01  -5.18798828125 -02   2.91159057617  02

                LAND                                  TTF                          CG                          AFC
1.7[illegible]  06  -3.8[illegible]  02   1.4485999999[illegible]  02  -1.17610571289  02   1.00  0.00  0.00   2.71485652774  00
                                                                                   0.00  1.00  0.00
                TRANSIENT  0.456                                                   0.00  0.00  1.00

                UNFC                                                              UNWC
4.1[illegible]  01  -[illegible]  03  -9.0959[illegible]  01   9.99539411650 -01  -2.16677783255 -04  -1.10057293523 -02

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          TIME      MASS     FWEIGHT   FCOLD     AF        AFC       FP        FC      PIF     PIFPSET   REG55
THROTTLE:  [illegible]  [illegible]  -  [illegible]  2013    2.8943    2.7148    2021    2013  -  [illegible]     0  -   8

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          TIME      MODE  VERBNOUN    F      HDOT     TTF      RANGE    ABVEL   TTF LPD  FORVEL   DELTAH   THRCMD
DISPLAYS:  [illegible].52   6    6 63   17045  - 1321  - 1.57    115     5484    99.78    944  -   93     9999

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          CMUTIME      CMUX      CMUY      CMUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:  [illegible]  -  [illegible]  65.7751   0.6042  - 0.0838  - 0.3060   0.1487      ACTUAL
           [illegible].28  -  [illegible]  66.6168   0.2[illegible]97   0.0100  - 0.3076  - 0.2197      DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+ 5275.7[illegible]	- 1540271.9	+ 780359.9	+ 223113.9	+ 159.41	+ 178.92	+ 153.19	+ 5107.56
ENV	[illegible]	+ 9414.4[illegible]	- 1540260.9	+ 780389.4	+ 223140.9	+ 159.46	+ 178.73	+ 153.29	+ 5142.53
ERR	[illegible]	[illegible]	38.9	4.5	26.3	0.08	0.19	0.09	34.97
AGC	IN FLIGHT	+[illegible]	- [illegible]	+ 2560347.7	+ 73[illegible]	+ 523.00	+ 587.02	+ 502.60	+ 16757.09
ENV	ANE FLIGHT	+[illegible]	- 5053249.4	+ 2560332.8	+ 73[illegible]	+ 523.29	+ 586.39	+ 502.92	+ 16971.84

FIPTIME: [illegible] 05 P63: BRAKQUAD TPIP: 3.9783728 0000 05

	R AND RG			V AND VG		
[illegible]	-3.74[illegible] 99 02	-1.85933124999 04	-2.81829261779 01	1.20058059692 00	2.81845331192 02	
[illegible]	[illegible] 03	[illegible] 00	-2.00334[illegible]999 04	-3.81351470947 01	2.28881825937 -03	2.86314[illegible]2089 02

	LAND		TTF	CG			AFC
1.72[illegible]	-1.84[illegible] 02	1.44012499999 03	-1.15605156249 02	1.00	0.00	0.00	2.73289158940 00
				0.00	1.00	0.00	
	TRANSIENT .444			0.00	0.00	1.00	

	UNFC			UNWC		
[illegible]	-3.19175[illegible]24215 -03	-9.06375251[illegible]23 -01	9.99942947358 -01	-2.15329229068 -04	-1.06796845414 -02	

	TIME	MASS	FREIGHT	FCOL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	275.7[illegible]	28	2022	2.6743	2.7328	1975	2022	47	0	47

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	63	6 63	16757	- 1350	- 1.55	112	5331	55.76	525	- 89	9999

	TOUTIM	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- [illegible]	65.3027	- 0.2746	- [illegible].0862	- 0.6252	0.2276	ACTUAL
	[illegible]	- [illegible]	65.5773	- 0.0545	- 0.0219	- 0.3076	- 0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3978[illegible]0.79	+ 2[illegible]	- [illegible]7.9	+ 780743.9	+ 223417.9	+ 158.10	+ 175.07	+ 150.34	+ 5016.18
ENV	3978[illegible]0.27	+ 9297.36	- 1535543.2	+ 780743.0	+ 223444.1	+ 158.19	+ 174.88	+ 150.44	+ 5058.98
ERR	0.00	1[illegible]	45.2	0.9	26.1	0.09	0.19	0.09	42.80
AGC	IN POUNDS	+204[illegible]	- 5052156.7	+ 2561496.0	+ 732958.6	+ 518.71	+ 574.39	+ 493.27	+ 16457.30
ENV	AND FEETS	+27717.4[illegible]	- 5052307.1	+ 2561492.9	+ 733084.4	+ 519.01	+ 573.76	+ 493.58	+ 16597.73

PIPTIME: 3.97[illegible]E[illegible] C5 PGS: FRAKQUAD TPIP: 3.9783926000C 05

	R AND G			V AND VG		
1.74[illegible]	-[illegible] C6	-1.80344374999 04	-3.91707420349 01	1.20525360107 00	2.76979827880 02	
4.52[illegible]	[illegible]	-1.94656249999 04	-3.91246795654 01	7.24792480468 -03	2.81448745727 02	

	LAND			TTF		CG			AFC	
3.7[illegible]	-[illegible] 02	1.43124999999 02	-1.13598071289 02	1.00	0.00	0.00	2.75139929726	00
				0.00	1.00	0.00		
	TRANSIEIT 0.456			0.00	0.00	1.00		

	UNFC			UNWC		
4.[illegible] -01	-3.246[illegible] -03	-3.02980746830 -01	9.09946319019 -01	-2.13980676434 -04	-1.03592128380 -02	

	TIME	MASS	EWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3[illegible]7640.[illegible]	[illegible]5[illegible].28	8	2032	2.6543	2.7513	2018	2032	14		14

	TIME	MODE	VF	BACKUP	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397[illegible]40.56	6[illegible]	6	6[illegible]	16457	- 1378	- 1.53	109	9177	99.78	912	- 113	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397[illegible]40.[illegible]	- [illegible].777	64.8742	- 0.9[illegible]	- 0.0561	- 0.8737	0.4388	ACTUAL
	397[illegible]40.[illegible]	- [illegible]	65.1379	- 0.0549	- 0.0219	- 0.3186	- 0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]97841.79	+ 9242.32	- 1529577.9	+ 781087.9	+ 222713.9	+ 156.68	+ 171.27	+ 147.44	+ 4924.68
ENV	[illegible]97841.79	+ 9 79.9	- 1539628.2	+ 781088.9	+ 223742.1	+ 156.77	+ 171.04	+ 147.51	+ 4973.84
ERR	0.0	137.65	50.2	0.9	28.1	0.09	0.22	0.06	49.16
AGC	IN POUNDS	+[illegible]375.62	- 9051108.9	+ 2562624.6	+ 733969.8	+ 514.04	+ 561.92	+ 483.75	+ 16157.11
ENV	ARE POINTS	+20679.11	- 9051273.7	+ 2562627.8	+ 734062.0	+ 514.36	+ 561.18	+ 483.98	+ 16318.40

PIPTIME: 3.97841280000 05 P63: BRAKCOAC TPIP: 3.97841280000 05

	R AND VG			V AND VG	
1.74[illegible] 06	-3.70[illegible]2499[illegible]999 02	-1.74853744999 04	-4.00381088256 01	1.15509033203 00	2.72068595886 02
4.[illegible]749[illegible]3	[illegible].624599[illegible]999 0	-1.89077499999 04	-3.99936676025 01	-4.27246093750 -02	2.76537322998 02

	LAND		TTF	CG			AFC	
1.7[illegible]5185[illegible]499[illegible]	-3.7[illegible]5[illegible] 02	1.42237493999 03	-1.11594863281 02	1.00	0.00	0.00	2.76655890047	00
				0.00	1.00	0.00		
	TRANSIENT [illegible].365			0.00	0.00	1.00		

	UNFC				UNHC		
[illegible] -03	-2.42461[illegible] -03	-9.00247092377 -01	9.59945531703 -01	-2.12617217321 -04	-1.00443437141 -02		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7342.39	9242.32	2	2040	2.7493	2.7665	2035	2040	5	0	5

	TIME	MODE	VERB	NOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]97842.63	63	6	63	16157	- 1403	- 1.51	105	9021	69.78	853	- 90	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7843.[illegible]	- 1.[illegible]46	64.4897	- 0.4724	0.0128	- 0.6489	0.5658	ACTUAL
	[illegible]97843.20	- [illegible]	64.6584	- 0.0549	- 0.0054	- 0.2746	- 0.0109	DESIRED

	TIME	MASS	R	V	VN	ALTITUDE
AGC	3978[illegible]	+ 2[illegible]	- 15[illegible] + 781423.9 + 224005.9	+ 155.17 + 167.45 + 144.51		+ 4833.06
ENV	3978[illegible]	+ 93[illegible]	- 15[illegible] + 781427.2 + 224034.2	+ 155.29 + 167.23 + 144.58		+ 4887.25
ERR	[illegible]	1[illegible]	56.1 3.2 28.2	0.11 0.22 0.07		54.19
ACC	[illegible]	+20[illegible]	- 5050265.6 + 2563727.0 + 734527.8	+ 509.11 + 549.39 + 474.13		+ 15856.50
ENV	[illegible]	+206[illegible]	- 5050249.9 + 2563737.6 + 735020.3	+ 509.51 + 548.65 + 474.37		+ 16034.31

PIPTIME: 3.67432[illegible] CS

P63: BRAKQUAD

TPIP: 3.67843260000 05

	R AND			V AND VG		
1.74[illegible]	-3.678749[illegible] 02	-1.6946124999[illegible] 04	-4.0852403640[illegible] 01	1.1005876[illegible]4484 00	2.6708[illegible]9340 02
4.[illegible]	[illegible]	-1.8356624999[illegible] 04	-4.0608864[illegible]082 01	-9.72747802734 -02	2.71557235717 02

	LAND	TTF	CG	AFC
[illegible]	-[illegible] 02	1.4134999999[illegible] 03	-1.0960140136[illegible] 02	1.00 0.00 0.00 / 0.00 1.00 0.00 / 0.00 0.00 1.00	2.77953920885 00

TRANSIENT 0.345

	UNFC	UNWC
4.[illegible]727 [illegible] -01	-1.44[illegible] 3 -03 -8.9763986[illegible]9493 -01	9.99952590531 -01 -2.11335718330 -04 -9.73509250685 -03

	TIME	MASS	WEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
TERMINATE:	3978[illegible]	[illegible]	2	2046	2.7603	2.7795	2041	2046	5	0	5

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible]	6	6 67	15857	- 1425	- 1 49	102	8865	99 77	877	- 74	9999

	CCUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]045.23	- [illegible] 777	63.8525	0.5053	- 0.0071	- 0.6034	0.1737	ACTUAL
	3978[illegible]	- [illegible] 029	64.3359	- 0.0549	0.0109	- 0.2087	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 92[illegible]	- 1538947.9	+ 781753.9	+ 224289.9	+ 153.63	+ 163.65	+ 141.62	+ 4742.31
ENV	397846.79	+ 9344.87	- 1539107.1	+ 781757.8	+ 224320.5	+ 153.75	+ 163.29	+ 141.73	+ 4799.38
ERR	[illegible]	136.47	99.1	3.8	30.5	0.11	0.25	0.10	57.06
AGC	IN POUNDS	+20301.16	- 5049041.9	+ 2564309.7	+ 735859.5	+ 504.06	+ 536.92	+ 464.65	+ 15558.76
ENV	ARE FOOTS	+206 1.94	- 5049236.0	+ 2564822.3	+ 735959.6	+ 504.43	+ 536.08	+ 465.00	+ 15746.00

FIPTIME: 3.97845280000 05 P63: BRAKQUAD TPIF: 3.97845280000 05

R AND RC				V AND VG		
1.74055731244 06	-3.656874[illegible] 02	-1.64168743999 04	-4.16169166564 01	1.07760429382 00	2.62131881713 02	
4.66549999[illegible] 04	[illegible] 00	-1.78214999999 04	-4.15748596191 01	-1.20544433593 -01	2.66600036621 02	

LAND		TTF	CG			APC
1.73[illegible]187495 00	-1.74[illegible] 02	1.40462499999 03	-1.07603066406 02	1.00	0.00	0.00	2.79235864009 00
				0.00	1.00	0.00	
TRANSIENT 0.269				0.00	0.00	1.00	

UNFC				UNWC		
4.44[illegible]27[illegible]4 -01	-1.01[illegible]5627[illegible] -03	-8.9556[illegible]649211 -01	9.99955499886 -01	-2.10098922715 -04	-9.43154843740 -03	

	TIME	MASS	FWEIGHT	FCDLD	AP	APC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397846.40	[illegible]	4	2051	2.7793	2.7923	2044	2051	7	0	7

	TIME	MCDT	VERBCON	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAF	THRCMD
DISPLAYS:	97846.64	6[illegible]	[illegible] 63	15559	- 1446	- 1 47	99	8707	97 77	861	- 43	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97847.28	- 0.0559	64.1271	0.3076	- 0.0319	0.5465	- 0.9677	ACTUAL
	97847.28	- [illegible]	64.1162	- 0.0549	0.0164	- 0.1867	0.0219	DESIRED

	TIME	MASS	FN			VN			ALTITUDE
AGC	397847.279	+ 9191.67	- 1538641.0	+ 782077.9	+ 224571.9	+ 152.04	+ 155.81	+ 138.77	+ 4653.18
ENV	397847.279	+ 9327.33	- 1538701.2	+ 782080.8	+ 224601.0	+ 152.16	+ 159.64	+ 138.86	+ 4710.17
ER	[illegible]	1 .26	59.2	2.0	29.0	0.11	0.27	0.08	56.98
AGC	IN PLANES	+ [illegible] 2.64	- 5048438.0	+ 2565872.7	+ 736784.7	+ 498.84	+ 524.32	+ 455.30	+ 15266.36
ENV	AND FEETS	+ [illegible] .04	- 5048232.3	+ 2565881.9	+ 736880.2	+ 499.22	+ 523.42	+ 455.58	+ 15453.33

PIPTIME: 3.97847280000 05 P63: BRAKQUAL TPIP: 3.97847280000 05

	R AND RG				V AND VG			
	1.74[illegible] 47[illegible] 02	-3.[illegible]349[illegible]939[illegible]09 02	-1.58576249999 04	-4.23480033874 01	1.11522674560 00	2.57144308090 02		
	4.5[illegible]11 [illegible] 02	5.124[illegible]99 99 02	-1.72933749999 04	-4.23072814941 01	-8.27789306640 -02	2.61612319946 02		
	LAND		TTF		CG		AFC	
	1.73[illegible]1 7499 01	-3.72[illegible]5999999 02	1.39574999999 02	-1.05605615234 02	1.00 0.00 0.00	2.80298059806 00		
					0.00 1.00 0.00			
	TRANSIENT 0.219				0.00 0.00 1.00			
	UNFC				UNWC			
	0.4E30 [illegible]5475 -01	-1.75[illegible]25826 -02	-2.93881237227 -01	9.99958265047 -01	-2.08839773244 -04	-5.13370396785 -03		

	TIME	MASS	FWEIGHT	FCCLU	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397848.39	9191.67	- 4	2055	2.8093	2.8029	2054	2055	- 5	0	- 9

	TIME	MU	VELBACLN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397[illegible]63	63	63	15266	- 1466	- 1 45	57	8549	95 77	846	- 4	9999

	CELTIME	CDUX	CDLY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE :	397849.2[illegible]	- [illegible] 448	64.7863	- 0.4174	- 0.0159	0.4279	- 0.9934	ACTUAL
	[illegible]	- [illegible] 0329	63.3964	- 0.0540	0.0054	- 0.1757	- 0.0319	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 917[illegible]	- 1528341.9	+ 782393.9	+ 224845.9	+ 150.46	+ 155.96	+ 135.86	+ 4565.12
ENV	[illegible]	+ 93[illegible]	- 1538398.4	+ 782396.0	+ 224875.9	+ 150.60	+ 155.68	+ 135.95	+ 4619.70
ERR	[illegible]	136.00	56.4	2.0	29.9	0.14	0.27	0.08	54.57
AGC	IN PCUNTS	+20224.3	- 5047053.8	+ 2566709.4	+ 737683.7	+ 493.65	+ 511.68	+ 445.75	+ 14977.44
ENV	AND PCUNTS	+20524.27	- 5047238.9	+ 2566916.1	+ 737781.8	+ 494.11	+ 510.78	+ 446.04	+ 15156.50

PIPTIME: [illegible] 05 P63: BRAKQUAD TPIP: 3.97849280000 05

R AND RC			V AND VG		
[illegible] 06	-[illegible] 02	-1.53888749999 04	-4.31032180786 01	1.11079216003 00	2.52121496200 02
4.49577[illegible]	[illegible] 00	-1.67752499999 04	-4.30643174316 01	-8.73569673828 -02	2.56589126586 02

LANC		TTF	CG			AFC
[illegible] 05	-3.72495[illegible] 02	1.38887499999 03	-1.03612553710 02	1.00 0.00 0.00		2.81307147815 00
				0.00 1.00 0.00		
TRANSIENT 0.225				0.00 0.00 1.00		

LNFC				UNWC		
4.51[illegible] -01	-1.70413[illegible]965 -03	-8.52110109571 -[illegible]	9.59596085104[illegible] -01	-2.07558272544 -04	-8.84156666800 -03	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible]	6	2059	2.8043	2.8130	2048	2059	11	0	11

	TIME	MILE	VERBACUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	63	6 63	14577	- 1487	- 1.63	94	8392	53.78	829	27	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- [illegible]	62.9846	0.3955	0.0277	- 0.5643	0.0233	ACTUAL
	[illegible]	- [illegible]	62.6767	- 0.0549	0.0054	- 0.2[illegible]87	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1538043.5	+ 782703.9	+ 225115.9	+ 148.87	+ 152.17	+ 132.55	+ 4477.49
ENV	[illegible]	+ 9292.11	- 1538598.7	+ 782703.6	+ 225144.9	+ 149.01	+ 151.89	+ 133.10	+ 4527.94
ERR	[illegible]	1 .23	52.7	0.3	28.5	0.13	0.28	0.10	50.44
ACC	IN POUNDS	+21197.25	- 5242552.6	+ 2567526.5	+ 738565.5	+ 488.42	+ 499.27	+ 436.33	+ 14689.96
ENV	AND FEETS	+20455.38	- 5046255.8	+ 2567925.3	+ 738664.6	+ 488.88	+ 498.32	+ 436.69	+ 14855.47

PIPTIME: [illegible] CC C5 PEG: BRAKGUAL TIP: 3.97851280000 05

R AND RD			V AND VG		
1.74[illegible] 05	-1.48890624999 04	-4.38104629516 01	1.10220909118 00	2.47161340713 02
4.41[illegible] 00	-1.62671249999 04	-4.77225067138 01	-9.57489013671 -02	2.51628875732 02

LAND	TTF	CG	AFC
1.7[illegible]187494 [illegible]	-3.67874[illegible]999 02	1.37759999999 03	-1.01611669921 02	1.00 0.00 0.00	2.82449182122 00
		0.00 1.00 0.00	
TRANSIT 0.13[illegible]		0.00 0.00 1.00	

UNFC			UNWC		
[illegible] - 1	-1.57[illegible]7780 -03	-8.91060456023 -01	9.99983383062 -01	-2.00284225537 -04	-8.55511429206 -03

	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSHT	REG55
THROTTLE:	[illegible]	[illegible]	8	2062	2.7963	2.8244	2048	2063	15	[illegible]	15

	TIME	MUN	VERBACKN	P	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	[illegible]	63	14690	- 1506	- 1 41	91	8235	91 77	813	48	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- [illegible]	62.0637	0.7141	0.0091	0.8092	- 0.5172	ACTUAL
	[illegible]	- [illegible]	63.4570	- 0.0649	0.0109	- 0.1428	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3978[illegible]0.270	+ 9[illegible]0.54	- 1[illegible]7759.9	+ 783005.9	+ 625379.9	+ 147.14	+ 148.46	+ 130.17	+ 4389.74
ENV	39785.279	+ 9274.35	- 1537802.4	+ 783003.6	+ 2254008.3	+ 147.29	+ 148.10	+ 130.22	+ 4435.10
ERR	0.0[illegible]	134.80	48.4	2.3	28.3	0.15	0.35	0.05	45.35
AGC	IN POUNDS	+2 149.05	- 5045124.8	+ 2568317.3	+ 739425.6	+ 482.75	+ 487.08	+ 427.06	+ 14402.06
ENV	AND POUNDS	+2044.22	- 5045283.6	+ 2568909.5	+ 739528.6	+ 483.25	+ 485.91	+ 427.25	+ 14550.87

FIPTIME: 3.97853280000 05 PEG: BRAKQUAD TPIP: 3.97853280000 05

	R AND RC			V AND VG	
4.74[illegible]62499 06	-1.5611249999 02	-1.43998124999 04	-4.42596363067 01	1.11570358276 00	2.42213630676 02
4.33074[illegible]9999 03	7.62499999999 00	-1.57683999999 04	-4.43229675292 01	-8.23974609375 -02	2.46680831909 02

	LAND		TTF		CG			AFC
1.73589[illegible]87499 06	-3.65499999999 02	1.36912499999 03	-9.96083417968 01	1.00	0.00	0.00		2.83237081021 00
				0.00	1.00	0.00		
	TRANSIENT 0.051			0.00	0.00	1.00		

	UNFC			UNWC		
4.55[illegible]24[illegible]58 -[illegible]	-1.83724594697 -03	-8.91453106354 -01	9.99965745370 -01	-2.05039977143 -04	-8.27442106018 -03	

	TIME	MASS	FWEIGHT	FCOLU	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39765.49	91[illegible]9.54	- 8	2065	2.8393	2.8323	2079	2065	- 14	0	- 14

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]7854.63	63	6 63	14402	- 1522	- 1[illegible]59	88	8077	89 76	797	61	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]7855.68	- 0.8569	62.9626	- 0.1757	0.0146	0.7339	- 0.2559	ACTUAL
	3[illegible]7855.60	- 0.0129	63.3142	- 0.0549	0.0000	0.0329	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397855.[illegible]	+ 9122.25	- 1537465.9	+ 783391.9	+ 225637.9	+ 145.41	+ 144.69	+ 127.28	+ 4302.12
ENV	397855.27	+ 9256.62	- 1537[illegible]6.5	+ 783296.0	+ 225665.9	+ 145.57	+ 144.33	+ 127.34	+ 4341.32
ERR	0.0[illegible]	134.37	43.5	5.9	27.9	0.16	0.35	0.06	39.19
ACC	IN POUNDS	+20[illegible]	- 5044175.7	+ 2569888.4	+ 740282.1	+ 477.08	+ 474.71	+ 417.60	+ 14114.58
ENV	AND FEETS	+[illegible]407.15	- 5044322.7	+ 2569969.0	+ 740373.7	+ 477.61	+ 473.55	+ 417.81	+ 14243.18

PIPTIME: [illegible] C5 PEG: BRAKQUAD TPIP: 3.97855280000 05

R AND			V AND VG		
[illegible] 02	-1.39204374999 04	-4.49454307556 01	1.31064910888 00	2.37196588516 02	
[illegible] 00	-1.52807499999 04	-4.49096679687 01	-8.73565673828 -02	2.41663742065 02	

LAND		TTF	CG	AFC
[illegible] 02	-1.63124999999 02	1.36024999999 03	-9.76044189453 01	1.00 0.00 0.00	2.83896923065 00
			0.00 1.00 0.00	
TRANSIENT 0.002			0.00 0.00 1.00	

UNFC			UNWC		
4.53126[illegible] -01	-1.79360[illegible]7117 -02	-8.91444509659 -01	9.99967983845 -01	-2.03751027378 -04	-7.99936055329 -03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	PFG55
THROTTLE:	397856.40	9127.25	2	2066	2.8443	2.8389	2062	2066	4	0	4

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	9785[illegible].63	6[illegible]	6 62	1411[illegible]	- 1536	- 1 37	86	7920	87 77	781	73	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7857.2[illegible]	- [illegible].249	63.5886	0.8673	0.0329	0.2163	0.4050	ACTUAL
	[illegible]7857.28	- 0.0329	62.3142	- 0.0549	0.0000	0.0988	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	397657.79	+ 91044.95	- 1537175.9	+ 783587.9	+ 225889.9	+ 143.78	+ 140.98	+ 124.24	+ 4210.49
ENV	397857.279	+ 92[illegible]8.97	- 1537220.0	+ 783580.9	+ 225917.6	+ 143.93	+ 140.56	+ 124.38	+ 4246.48
ERR	0.0	133.98	40.0	7.0	27.6	0.15	0.42	0.13	35.98
ACC	IN FEETS	+20072.36	- 5043241.4	+ 2570826.7	+ 741108.5	+ 471.72	+ 462.55	+ 407.63	+ 13813.97
ENV	AND FEETS	+20368.25	- 5143372.8	+ 2570803.7	+ 741199.7	+ 472.23	+ 461.16	+ 408.09	+ 13932.02

PIPTIME: 3.97857210000 05 P63: BRAKCUAL TPIP: 3.97857280000 05

R AND VG			V AND VG	
1.74[illegible]05[illegible]74 06	-3.524374[illegible] 02	-1.34510624959 04	-4.56051826477 01	9.27782058715 -01	2.32179164886 02
4.15937[illegible] 03	8.24555[illegible] 00	-1.48024993999 04	-4.55707550048 01	-2.70462036132 -01	2.36645885282 02

LANC		TTF	CG			AFC
1.7[illegible]5918[illegible]7498 06	-3.60749[illegible] 02	1.35137499999 03	-9.56044185453 01	1.00 0.00 0.00		2.85005662590 00
				0.00 1.00 0.00		
TRANSIENT 0.258				0.00 0.00 1.00		

UNFC			UNWC		
4.55314272958 -01	1.98269[illegible]985 -03	-8.903285[illegible]0781 -01	9.99970102247 -01	-2.02544033816 -04	-7.73004443556 -03

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397858.39	91[illegible]	6	2070	2.8293	2.8500	2057	2070	13	0	13

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	OFLTAB	THRCMD
DISPLAYS:	397858.63	63	6 63	13814	- 1554	- 1 35	83	7762	85 78	764	34	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397857.28	- 0.7910	63.1713	- 0.3515	0.0567	- 0.6228	0.2064	ACTUAL
	397 53.28	- 0.1329	63.3142	0.0219	0.0494	0.0219	0.1208	DESIRED

	TIME	MA[illegible]	[illegible]	[illegible]	[illegible]	VN		ALTITUDE
AGC	39785.279	+ 9[illegible]7.75	- 152[illegible]3.5	+ 742[illegible]7.9	+ 226133.9	+ 142.12	+ 137.20	+ 121.28	+ 4115.18
ENV	39785.279	+ 9721.23	- 1526533.8	+ 753856.3	+ 226163.4	+ 142.27	+ 136.76	+ 121.42	+ 4150.55
ERR	[illegible]	1[illegible].48	39.8	9.6	29.4	0.15	0.43	0.13	35.36
AGC	IN PROGRESS	+2[illegible].87	- 5042323.1	+ 2571745.4	+ 741909.4	+ 466.29	+ 450.13	+ 397.91	+ 13501.27
ENV	AND EFFECTS	+2[illegible].14	- 5042433.8	+ 2571713.6	+ 742066.1	+ 466.79	+ 448.71	+ 398.36	+ 13617.30

PIPTIME: 3.97[illegible] 05 PEG: ERAKOUAL TPIP: 3.97859280000 05

	R AND RC			V AND VG		
3.7[illegible] 06	-3.[illegible] 07	-1.2991749999 04	-4.6271324157 01	8.5344314575 -01	2.2713985443 02
4.0[illegible]	7.[illegible]	-1.4334245999 04	-4.6238327026 01	-3.4446716308 -01	2.3160667419 02

	LAND		TTF		CG			AFC	
3.7[illegible]	-3.5837459999 02	1.3424999999	-9.2604418945 01	1.00	0.00	0.00	2.8632278554	00
				0.00	1.00	0.00		
	TRANSIENT 0.249			0.00	0.00	1.00		

	UNFC			UNWC		
4.[illegible] - 1	3.7431[illegible] -03	-8.8850258128 -01	9.9997210508 -01	-2.0155310631 -04	-7.4664875869 -03

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39786.39	7[illegible]	4	2076	2.8393	2.8632	2067	2076	5	0	9

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LFD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39786.63	6[illegible]	6 63	13501	- 1573	- 1 33	80	7605	83 78	747	0	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.7861.2[illegible]	- 0.7141	62.3513	0.5228	0.0554	- 0.6256	1.0853	ACTUAL
	3.7861.[illegible]	- [illegible].829	63.3142	0.2416	0.0714	- 0.0878	0.1428	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397861.[illegible]	+ 907[illegible].6[illegible]	- 1536650.0	+ 784135.9	+ 226373.9	+ 140.34	+ 133.36	+ 118.38	+ 4016.43
ENV	397861.279	+ 92[illegible]3.42	- 1536651.0	+ 784128.0	+ 226403.4	+ 140.52	+ 132.93	+ 118.53	+ 4053.49
ERR	[illegible]	132.36	41.0	7.9	29.4	0.17	0.43	0.14	37.06
AGC	IN FEETNOS	+19996.96	- 5041371.3	+ 2572624.6	+ 742656.8	+ 460.45	+ 437.55	+ 388.39	+ 13177.28
ENV	AND FEETS	+20288.86	- 5041505.9	+ 2572598.5	+ 742793.4	+ 461.02	+ 436.13	+ 388.88	+ 13298.88

PITTIME: 3.97861[illegible] 05 P63: BRAKQUAD TPIP: 3.97861260000 05

	R AND RG			V AND VG		
1.73986[illegible]2499 06	-3.48[illegible]374[illegible] 99[illegible] 02	-1.25425624999 04	-4.68408107757 01	8.78953933715 -01	2.22044038772 02
3.7174[illegible] 03	6.99[illegible] 99[illegible] 00	-1.38762499999 04	-4.68090057373 01	-3.19290161132 -01	2.26510620117 02

	LAND		TTF		CG			AFC
1.73589187459 06	-3.5995[illegible] 02	1.33362499999 03	-9.16103466796 01	1.00	0.00	0.00		2.87408242002 00
				1.00	1.00	0.00		
	TRANSIENT 0.227			0.00	0.00	1.00		

	UNFC			UNWC		
4.62381403666 -01	3.48263727523 -03	-8.86674265609 -01	9.99573996570 -01	-2.00547277746 -04	-7.20874219481 -03	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRTTLE:	397862.40	9070.96	- 2	2080	2.E743	2.E740	2085	2080	- 5	0	- 5

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397862.64	63	6 63	13177	- 1589	- 1 31	78	7445	81 77	730	- 29	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397862.28	- 0.7141	63.3801	0.4933	0.0173	0.0750	- 0.2255	ACTUAL
	397862.25	- 0.[illegible]329	63.2373	0.3845	0.0714	- 0.1647	0.0109	DESIRED

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          TIME      |   MASS    |      RN        |      VN        |      ALTITUDE
AGC  39786.279      | + 365.0[illegible] | - 1536327.9 + 784397.9 + 226617.9 | + 138.58 + 129.50 + 115.44 | + 3915.56
ENV  39786.279      | + 919.49  | - 1536271.7 + 784389.9 + 226637.5 | + 138.74 + 129.03 + 115.63 | + 3955.45
ERR      .00        |  132.65   |     43.7      3.0      29.5     |   0.16    0.46    0.18     |    39.89

AGC  INTEGRS        +19557.90   | - 5040446.1 + 2573484.2 + 743464.5 | + 454.68 + 424.89 + 378.74 | + 12846.33
ENV  ANGLE ERRS     +2[illegible]2.34 | - 5040589.8 + 2572457.9 + 743561.5 | + 455.20 + 423.35 + 379.36 | + 12977.21

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                                          PB3:  PRAKQUAD
      PIPTIME:        2.97863[illegible] 05                                          TPIP:        3.97863260000  05

                                                                                  V AND VG
                R AND RG
  1.73[illegible]765 1249  06  -3.47124.99999  02  -1.21036249999  04  -4.74451065063  01   8.78143310546 -01   2.16519279098  02
  4.873[illegible]99  03  [illegible].499999.999  00  -1.34283749999  04  -4.74140167236  01  -3.20053100585 -01   2.21385574340  02

                LAND                                TTF                          CG                          AFC
  1.735[illegible]87490  00  -3.63624999999  02   1.32474999999  03  -8.96184423828  01   1.00   0.00   0.00   2.88678100332  00
                                                                                          0.00   1.00   0.00
                TRANSIENT  1.324                                                          0.00   0.00   1.00

                UNFC                                                                  UNWC
  4.67[illegible]17 - 1  3.72375[illegible]9625 -03  -8.84043303146 -01   9.99975780694 -01  -1.99519095337 -04  -6.95688268877 -03

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          TIME      MASS      FWEIGHT   FCCLC     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THRTTLE:  39786.40  [illegible]52.54     0       2085      2.8893    2.8867    2085      2085      0         0         0

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          TIME      MOD   VERBNOUN   H       HDOT      TTF       RANGE     ABVEL     TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS: 39786.63  6[illegible]  6 63   12846   - 1605    - 1.29    75        7285      79.78     714     - 43      9999

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          COUTIME   COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 39786.23  - [illegible].7250  62.5778  - 0.1977   0.0138  - 1.3752   0.2031    ACTUAL
          39786.28  - [illegible].129   62.5906    0.3845   0.0714  - 0.2416 - 0.0109    DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 3035.71	- 1526047.5	+ 784649.9	+ 226835.9	+ 136.84	+ 125.61	+ 112.53	+ 3812.24
ENV	397[illegible]	+ 9167.60	- 1536[illegible]96.0	+ 784644.1	+ 226865.9	+ 137.00	+ 125.16	+ 112.75	+ 3856.35
ERR	[illegible]	131.80	48.0	5.8	29.9	0.16	0.44	0.21	44.10
AGC	IN POUNDS	+1[illegible]920.12	- 5039527.5	+ 2574311.0	+ 744212.5	+ 448.96	+ 412.11	+ 369.22	+ 12507.38
ENV	ANT POUNDS	+2[illegible]10.89	- 5039685.1	+ 2574291.8	+ 744310.7	+ 449.49	+ 410.65	+ 369.92	+ 12652.09

PITTIME: 3.97865280000 05 P63: BRAKQUAD TPIP: 3.97865280000 05

ANL PG				V AND VG			
1.73[illegible]3749 06	-[illegible]453[illegible] 02	-1.16743124999 04	-4.80772972106 01	9.29546356201 -01	2.11797142028 02
3.77[illegible]	5.87459999999 00	-1.29907499999 04	-4.80472564697 01	-2.68554087500 -01	2.16263198852 02

LAND			TTF	CG			AFC
1.73585187499 06	-3.51249999999 02	1.31587499999 03	-8.76257031249 01	1.00	0.00	0.00	2.90289754047 00
				0.00	1.00	0.00	
TRANSIENT 0.415				0.00	0.00	1.00	

UNFC				UNWC			
4.73[illegible] -01	[illegible]898[illegible]6335 -03	-8.80657496658 -01	9.99977462544 -01	-1.98490917792 -04	-6.71081245315 -03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRCTTLE:	397866.40	9035.71	12	2093	2.8743	2.9028	2072	2093	21	0	21

	TIME	MODE	VERBANOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397866.63	65	6 63	12507	- 1622	- 1 27	73	7126	77 78	697	- 60	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397867.28	- [illegible]551	61.4575	0.6811	- 0.0018	- 1.3591	0.0583	ACTUAL
	397867.8	- [illegible]329	62.5012	0.3845	0.0604	- 0.2856	- 0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397867.279	+ [illegible]	- 1535769.9	+ 784[illegible]95.9	+ 227055.9	+ 134.98	+ 121.78	+ 109.63	+ 3707.18
ENV	397867.279	+ 9149.71	- 1535873.8	+ 794890.6	+ 227088.5	+ 135.17	+ 121.33	+ 109.86	+ 3756.26
ERR	[illegible]	131.65	57.8	5.3	32.5	0.19	0.44	0.22	49.07
AGC	IN POUNDS	+108[illegible]1.21	- 5038815.4	+ 2575118.1	+ 744934.3	+ 442.85	+ 399.54	+ 359.70	+ 12162.68
ENV	AND DECIMALS	+[illegible]171.46	- 5038792.1	+ 2575[illegible]0.5	+ 745041.0	+ 443.49	+ 398.08	+ 360.43	+ 12323.70

TIPTIME: 3.978672[illegible] CO C5 PEG: ERAKQUAC TPIP: 3.97867280000 05

	R AND RC				V AND VG		
1.72[illegible] 1 459 C6	-3.4 437459 9[illegible] 2	-1.12562459999 04	-4.85732078552 01		9.65929031372 -01	2.06667184829 02	
[illegible]	[illegible]	-1.25632459999 04	-4.85443115234 01		-2.32315063476 -01	2.11132812500 02	

	LAND		TTF		CG			AFC	
1.735[illegible]	-4.48874[illegible]9999 C2	1.30699999999 C3	-8.86299560546 01		1.00 0.00 0.00			2.91647156700 00	
					0.00 1.00 0.00				
	TRANSIENT 0.313				0.00 0.00 1.00				
	UNFC				UNWC				
4.785[illegible] -01	2.33192 1714[illegible] -03	-8.78067336576 -01	9.99979045922 -01		-1.97425484056 -04	-6.47060571131 -03			

	TIME	MASS	FWEIGHT	FCCIC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397868.41	[illegible]18.08	0	2058	2.8993	2.9164	2099	2098	- 1	0	- 1

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LED	FORVEL	DELTAH	THRCMD
DISPLAYS:	97868.67	63	6 63	12163	- 1637	- 1 25	71	6966	75 77	680	- 69	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97869.23	- 0.401	61.6255	0.4614	- 0.0381	0.3883	- 0.9058	ACTUAL
	97869.18	- 0.1329	62.0617	0.3845	0.0549	- 0.2307	- 0.0769	DESIRED

	TIME	MASS	KA			VN			ALTITUDE
ACC	3978[illegible]9.78	+ 9[illegible]0.44	- 15355C3.9	+ 785135.9	+ 227273.9	+ 133.02	+ 117.98	+ 106.73	+ 3608.87
ENV	3978[illegible]9.79	+ 9131.62	- 1535595.4	+ 785129.5	+ 227305.2	+ 133.22	+ 117.53	+ 106.96	+ 3655.43
ERR	[illegible]	1[illegible]0.17	51.4	6.4	31.2	0.19	0.44	0.22	46.55
AGC	IN POUNDS	+1[illegible]	- 5037742.7	+ 2575905.5	+ 745649.6	+ 436.44	+ 387.08	+ 350.17	+ 11840.14
ENV	ARE FEETS	+2[illegible]131.57	- 5037911.5	+ 2575884.2	+ 745752.2	+ 437.08	+ 385.61	+ 350.92	+ 11992.88

PIPTIME: 3.97869280000 05 P63: BRAKQUAD TPIF: 3.97869280000 05

	R AND RG			V AND VG	
1.73942[illegible]74374 06	-3.41[illegible] 02	-1.08480624999 04	-4.89755153656 01	9.95779027475 -01	2.01517915725 02
[illegible]	[illegible]	-1.21462499999 04	-4.89479064941 01	-2.02178955078 -01	2.05982352661 02

	LANE		TTF		CG			AFC
1.72[illegible]	-3.46[illegible] 02	1.29812499999 02	-8.36419628906 01	1.00	0.00	0.00		2.92286043986 00
	TRANSIENT 0.051			0.00	1.00	0.00		
				0.00	0.00	1.00		

	LNFC			UNWC	
4.79[illegible]	[illegible] -03	-8.77706168632 -01	9.99980534773 -01	-1.96330248463 -04	-6.23630729609 -03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	9[illegible].44	- 8	2890	2.9443	2.9228	2114	2099	- 15	0	- 15

	TIME	MOD	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible].63	63	6 [illegible]	11840	- 1647	- 1 23	68	6804	73 77	664	23	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978[illegible]	- [illegible]262	62.3144	- 0.2197	- 0.0427	0.2460	- 0.8078	ACTUAL
	3978[illegible]	- [illegible]	61.7761	0.3845	0.0404	0.0000	- 0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3[illegible]871[illegible]	+ [illegible]	- 15[illegible]233.9	+ 785365.9	+ 227481.9	+ 131.13	+ 114.19	+ 103.81	+ 3501.24
ENV	3[illegible]871.279	+ 9113.65	- 15[illegible]29[illegible].9	+ 785360.8	+ 227516.2	+ 131.31	+ 113.75	+ 104.04	+ 3553.93
ERR	[illegible]	1[illegible].8	56.9	5.1	34.2	0.18	0.44	0.22	52.68
AGC	IN POUNDS	+19[illegible]3.61	- 50[illegible]56.9	+ 2576660.1	+ 746332.0	+ 430.21	+ 374.66	+ 340.61	+ 11487.04
ENV	AND FEETS	+20091.97	- 50[illegible]04.6	+ 2576643.1	+ 746444.5	+ 430.83	+ 373.21	+ 341.35	+ 11659.89

PIPTIME: 3.97871280000 05 PEG: BRAKQUAD TPIP: 3.97871280000 05

	R AND S			V AND VG	
1.7[illegible]3[illegible]2[illegible]4999 C6	-3.[illegible]4[illegible]9999 C2	-1.0450[illegible]624999 04	-4.941[illegible]4984436 01	1.0[illegible]30899047 00	1.9[illegible]396923065 02
3.470[illegible]74 [illegible] 03	4.0[illegible]24[illegible]9 [illegible]	-1.173[illegible]749999 02	-4.0[illegible]29[illegible]81665[illegible] 01	-1.076[illegible]1318350 -01	2.00[illegible]62121582 02

	LAND		TTF	CG	AFC
[illegible]735[illegible]1[illegible]76[illegible]9 06	-3.491[illegible]49[illegible]999 02	1.28[illegible]2499[illegible]999 03	-8.164419[illegible]2187 01	1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00	2.938685[illegible]3871 00

TRANSIT 0.312

	UNFC			UNWC	
4.[illegible]97[illegible]413 -01	1.0[illegible]91[illegible]7[illegible]2[illegible]6 -03	-8.75079379000 -01	0.99981933477 -01	-1.9518285[illegible]665 -04	-6.0[illegible]787993451 -03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	[illegible]871[illegible].29	[illegible]2.65	12	2106	2.9243	2.9386	2088	2106	15	0	19

	TIME	MCU	VERBNCLN	F	HDOT	TTF	DANCF	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]871[illegible].3	63	6 63	11487	- 1659	- 1 21	66	6644	71 77	647	- 83	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]871[illegible]	- [illegible]	61.2048	0.0439	- 0.0008	- 0.5939	0.0832	ACTUAL
	3[illegible]871[illegible]	- [illegible]	61.6992	0.3845	0.0494	- 0.1538	- 0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 8855.31	- 1534971.3	+ 785589.9	+ 227687.9	+ 129.19	+ 110.45	+ 100.89	+ 3397.99
ENV	397873.279	+ 9055.69	- 1535030.1	+ 785584.6	+ 227721.4	+ 129.42	+ 110.01	+ 101.12	+ 3451.67
ERR	[illegible]	1[illegible].37	58.1	5.3	33.4	0.22	0.44	0.23	53.67
AGC	IN FEETS	+197864.92	- 5 35997.3	+ 2577395.0	+ 747007.8	+ 423.87	+ 362.39	+ 331.01	+ 11148.29
ENV	ANI FOOTS	+200952.36	- 5036198.[illegible]	+ 2577377.3	+ 747117.7	+ 424.60	+ 360.92	+ 331.78	+ 11324.39

PIPTIME: 3.97873280000 05 PEG: BRAKQUAL TPIR: 3.97873280000 05

		R AND RG						V AND VG					
1.72562[illegible]	06	-2.374[illegible]	02	-1.00623749999	04	-4.98160839080	01	9.76324091420	-01	1.91234894943	02		
2.365[illegible]	02	4.4[illegible]	00	-1.13427499999	04	-4.97905731201	01	-2.21639911132	-01	1.95749664306	02		
		LANL				TTF		CG				AFC	
1.72589[illegible]	06	-1.41749.[illegible]	02	1.28037499999	03	-7.96430517578	01	1.00	0.00	0.00		2.95073725283	00
								0.00	1.00	0.00			
		TRANSIENT 0.134						0.00	0.00	1.00			
		UNFC						UNWC					
4.[illegible]	-01	2.65360[illegible]37	-03	-8.74004198298	-01	9.99983245962	-01	-1.94042920070	-04	-5.78533855091	-03		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FR	FC	PIF	PIFRSET	REG55
THROTTLE:	397874.39	8955.31	8	2110	2.9143	2.9507	2097	2110	13	0	13

	TIME	MODE	VERBACUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAF	THRCMD
DISPLAYS:	397874.63	63	6 63	11148	- 1671	- 1 19	64	6486	69 77	630	- 21	9999

	COLTIME	COLX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397875.28	- 0.[illegible]	60.7324	0.8239	0.0177	1.3555	- 0.0838	ACTUAL
	397875.2[illegible]	- 0.[illegible]	61.5563	0.3845	0.0604	- 0.0988	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3978[illegible].279	+ 947.24	- 1534717.9	+ 785807.9	+ 227885.9	+ 127.17	+ 106.66	+ 97.95	+ 3297.87
ENV	3978[illegible].279	+ 9077.49	- 1534773.2	+ 785800.8	+ 227920.8	+ 127.40	+ 106.22	+ 98.18	+ 3348.81
ERR	[illegible]	130.24	55.2	7.1	34.8	0.22	0.43	0.22	50.94
AGC	IN POUNDS	+19775.00	- 5035164.0	+ 2578110.2	+ 747657.4	+ 417.25	+ 349.95	+ 321.37	+ 10819.79
ENV	AN FEETS	+[illegible].24	- 5035345.4	+ 2578386.7	+ 747771.6	+ 417.99	+ 348.51	+ 322.13	+ 10986.93

PIPTIME: 3.97875280000 C5 P63: ERAKQUAL IPIP: 2.97875280000 05

	R AND RG				V AND VG		
[illegible]	C6	-3.35562499999	C2	-9.66499999999	03	-5.01605987548	01	9.86194610595	-01	1.86092501229	02
[illegible]		4.74953[illegible]999	00	-1.09564999999	04	-5.01358032226	C1	-2.11715698242	-01	1.90557861328	02

	LAND				TTF			CG			AFC	
[illegible]		-3.35[illegible]74999999	C2	1.27149999999	C3	-7.76525244140	01	1.00	0.00	0.00	2.05589677989	00
								0.00	1.00	0.00		
	TRANSIDOT	0.015						0.00	0.00	1.00		
	UNFC								UNWC			
[illegible]		[illegible]	-1	[illegible]	-1	-8.73843067539	-01	9.99984476149	-01	-1.92947684890	-04	-5.56868312353	-03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978[illegible].30	8547.24	- 16	2110	2.0793	2.9558	2135	2110	- 25	0	- 25

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]7876.62	63	63	10820	- 1679	- 1.17	62	6323	67.76	612	25	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7877.28	- [illegible]	62.7315	0.3515	0.0422	1.2448	- 0.0251	ACTUAL
	[illegible]7877.24	- [illegible]	61.5563	0.3845	0.0604	- 0.0878	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 8920.77	- 1534465.9	+ 786317.9	+ 228079.9	+ 125.22	+ 102.80	+ 95.00	+ 3196.49
ENV	3978770.277	+ 9059.41	- 1534521.4	+ 786009.4	+ 226114.2	+ 125.43	+ 102.39	+ 95.26	+ 3245.43
ERR	0.00	129.6	54.4	8.5	24.2	0.21	0.40	0.25	48.93
AGC	IN FEETS	+19660.97	- 5034337.2	+ 2578795.2	+ 748293.9	+ 410.83	+ 337.27	+ 311.70	+ 10487.20
ENV	AND FMTS	+19572.37	- 5034515.9	+ 2578771.3	+ 748406.4	+ 411.52	+ 335.95	+ 312.54	+ 10647.76

PIPTIME: 3.978772 0000 05 PGS: BRAKQUAD TPIR: 3.978772800000 05

	R AND RG				V AND VG	
1.725[illegible] 74 [illegible] 06	-3.3358249[illegible]999 02	-9.31799999999 03	-5.05955215268 01	1.01571083068 00	1.80870437622 02	
[illegible].17195 [illegible] 03	3.3749599[illegible]59 00	-1.05806249999 04	-5.05718231201 01	-1.82242829296 -01	1.85334777832 02	

	LAME		TTF	CG			AFC	
1.725891[illegible] 06	-3.3635[illegible] 02	1.26262499999 03	-7.56647119140 01	1.00	0.00	0.00	2.96428566798	00
				0.00	1.00	0.00		
	TRANSIENT 0.176			0.00	0.00	1.00		

	UNFC				UNWC		
[illegible]685.[illegible]217 -01	2.22[illegible]6154428[illegible] -03	-8.72363375191 -01	9.99985627522 -01	-1.91807746828 -04	-5.35798072650 -03		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978780.40	3921.77	12	2112	2.9593	2.9642	2092	2112	20	0	20

	TIME	MULT	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3978780.64	03	6 63	10487	- 1590	- 1.15	60	6162	65.78	556	17	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978790.2[illegible]	- 1.45[illegible]	61.3144	0.1315	0.0546	- 1.0553	0.5911	ACTUAL
	3978790.[illegible]	- 1.0729	61.4794	0.3845	0.0549	- 0.1867	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39787[illegible]	+ 8[illegible]	- 1534217.9	+ 7862170.9	+ 228265.9	+ 123.26	+ 99.01	+ 92.09	+ 3094.18
ENV	39787[illegible]	+ 9041.2[illegible]	- 1534271.4	+ 7862170.5	+ 228301.9	+ 123.51	+ 98.61	+ 92.36	+ 3141.25
ERR	[illegible]	12.95	52.4	9.4	35.9	0.25	0.39	0.26	47.06
AGC	IN PROGRS	+1[illegible]	- 5033523.6	+ 2579461.9	+ 749904.1	+ 404.41	+ 324.85	+ 302.14	+ 10151.53
ENV	ANL FCLTS	+1[illegible]932.41	- 5033599.0	+2579430.8	+ 749022.1	+ 405.23	+ 323.54	+ 303.02	+ 10305.95

PIPTIME: 3.97872[illegible] 05

P63: ERASQUAD

TPIP: 3.9787928000[illegible] 05

		R AND VG						V AND VG					
1.72[illegible]	05	-3.314955[illegible]	02	-8.9613749999[illegible]	03	-5.0991439[illegible]	01	1.0320669[illegible]521	00	1.757239[illegible]4173	02		
5.0714[illegible]	[illegible]	[illegible].124[illegible]	[illegible]	-1.0215124999[illegible]	04	-5.0968551[illegible]357	01	-1.0[illegible]9331054	-01	1.8018798[illegible]281	02		
		LAND				TTF		CG				AFC	
1.7[illegible]	[illegible]	-3.3[illegible]	[illegible]	1.2537499999[illegible]	01	-7.3665966[illegible]7968	01	1.00	0.00	0.00		2.9758550[illegible]2266	00
								0.00	1.00	0.00			
		TRANSIENT 0.000						0.00	0.00	1.00			
		UNFC						UNWC					
4.9015[illegible]7	-01	1.0[illegible]4[illegible]5C4	-03	-8.7163168[illegible]0793	-01	9.9998670[illegible]3882	-01	-1.9063800[illegible]4917	-04	-5.1532238[illegible]5011	-03		

	TIME	MASS	FWEIGHT	FCOLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	978[illegible]0.39	8912.[illegible]	12	2116	2.9293	2.9758	2095	2116	21	0	21

	TIME	MODE	VERNCOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible].64	[illegible]	[illegible] 63	10152	- 1703	- 1 13	58	6004	63 77	579	14	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978[illegible]0.[illegible]	- [illegible].43	59.6667	0.7031	0.0712	0.7608	0.8335	ACTUAL
	3978[illegible]0.23	- [illegible] 329	61.2597	0.3945	0.0494	- 0.1538	- 0.0219	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
ACC	3978E1.279	+ 8674.36	- 1533571.9 + 786413.9 + 228447.9	+ 121.17 + 95.21 + 89.15	+ 2988.37
ENV	3978E1.279	+ 9022.96	- 1534076.4 + 786403.9 + 228483.7	+ 121.42 + 94.80 + 85.43	+ 3036.47
ERR	[illegible]	12.59	54.4 10.0 35.7	0.25 0.40 0.27	48.09
AGC	IN FRONDS	+19608.52	- 5032716.5 + 2580098.4 + 749501.2	+ 357.54 + 312.38 + 292.50	+ 9804.37
ENV	ANL FD TS	+19892.03	- 5032895.3 + 2580065.4 + 749616.6	+ 398.38 + 311.05 + 293.41	+ 9962.17

PIPTIME: 3.97881280000 05 P63: BRAKQUAD TRIP: 3.97881280000 05

	R AND G			V AND VG	
1.72[illegible]37499 06	-3.29474999999 02	-8.61518749999 03	-5.12756824493 01	1.05781555175 00	1.70490598678 02
2.56745[illegible] 03	3.87[illegible] 00	-6.86012499999 03	-5.12535095214 01	-1.39999389648 -01	1.74954605102 02

	LAND		TTF	CG			AFC
[illegible]	-3.32245[illegible] 02	1.24487499999 03	-7.16763232421 01	1.00	0.00	0.00	2.99310769721 00
				0.00	1.00	0.00	
	TRANSIENT 0.116			0.00	0.00	1.00	

	LNFC				UNWC		
[illegible] -01	1.49855546147 -03	-8.70659572739 -01	9.999877C8735 -01	-1.89416108108 -04	-4.95444231890 -03		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978[illegible]	8854.[illegible]	- 20	2117	3.0093	2.9831	2148	2117	- 31	0	- 31

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3978E2.63	63	6 63	9804	- 1709	- 1 11	56	5841	61 76	561	- 20	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978E3.28	- 0.4724	61.1059	0.7031	0.0458	0.0965	0.1443	ACTUAL
	[illegible]	- [illegible]	61.1169	0.3845	0.0439	- 0.0769	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397[illegible]	+ 887[illegible]	- 1533720.9	+ 726597.9	+ 228621.9	+ 119.07	+ 91.39	+ 86.25	+ 2880.87
ENV	397[illegible]	+ 9004.74	- 1532785.7	+ 726589.8	+ 228659.7	+ 119.31	+ 91.01	+ 86.55	+ 2931.29
ERR	.0000	12.02	55.7	8.1	37.7	0.24	0.37	0.30	50.42
ACC	IN PROGRESS	+19569.02	- 5031522.5	+ 2580702.0	+ 750072.1	+ 390.65	+ 299.84	+ 282.99	+ 9451.68
ENV	ANOMALIES	+19851.85	- 5032105.4	+ 2580675.2	+ 750156.1	+ 391.46	+ 298.61	+ 282.97	+ 9617.11

PIPTIME: 3.97883280000 05 P63: BRAKQUAL TPIP: 3.97883280000 05

	R AND G			V AND VG	
1.73367[illegible] 05	- 0.71874[illegible] 02	-8.27937499999 03	-5.15567302703 01	1.12824440002 00	1.65261220932 02
0.86166[illegible] 03	2.01245[illegible] 00	-9.51527499999 03	-5.15354156454 01	-6.98089599609 -02	1.69725036621 02

	LAND	TTF		CG			AFC
1.73385[illegible]	-3.[illegible] 02	1.23599999999 02	-6.96856787109 01	1.00	0.00	0.00	2.99421604722 00
				0.00	1.00	0.00	
	TRANSIENT 0.179			0.00	0.00	1.00	

	UNFC			UNWC		
0.54157[illegible] 77	-1.60[illegible] -04	-8.6934655059 -01	9.99988645712 -01	-1.88171863630 -04	-6.76162135790 -03	

	TIME	MASS	FREIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397884.39	887[illegible].45	10	2120	2.9[illegible]	2.9942	2194	2120	16	0	16

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397884.63	6	6 63	9452	- 1715	- 1 9	54	5680	59 77	544	- 34	9999

	CDUTIM	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397 5.2	- 0.4 3	61.4125	- 0.2087	0.0017	- 0.3288	- 0.4796	ACTUAL
	1 78 5.2	- 0 29	61.1169	0.3076	0.0164	- 0.0988	- 0.1538	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+ 885[illegible]	- 1533491.9	+ 786775.9	+ 2287910.9	+ 117.08	+ 87.57	+ 83.34	+ 2774.12
ENV	3978[illegible]6.279	+ [illegible].67	- 1533549.1	+ 786768.0	+ 2288290.9	+ 117.30	+ 87.20	+ 83.64	+ 2825.61
ERR	[illegible]	127.56	57.1	7.9	37.9	0.22	0.37	0.29	51.49
AGC	IN POUNDS	+1[illegible]	- 5011141.7	+ 2581286.0	+ 750629.9	+ 384.14	+ 287.31	+ 273.45	+ 9101.45
ENV	AND FOOTS	+1[illegible]	- 5031329.2	+ 2581259.8	+ 750754.5	+ 384.87	+ 286.09	+ 274.41	+ 9270.39

PIPTIME: [illegible] 05 P63: BRAKCUAL TPIP: 3.97885280000 05

R AND RC				V AND VG	
1.7[illegible] 05	-3.6[illegible] 02	-7.95406249959 03	-5.19409656524 01	1.17144584655 00	1.60080432891 02
2.7563749[illegible] 03	2.6245599[illegible] 00	-9.18124999999 03	-5.19207030732 01	-2.63214111328 -02	1.64543914794 02

LAND			TTF	CG			AFC	
1.7[illegible]	-3.6[illegible] 02	1.22712499959 03	-6.76856787109 01	1.00	0.00	0.00	3.00995074212	00
				0.00	1.00	0.00		
TRANSIENT [illegible].233				0.00	0.00	1.00		

LNFC				UNWC			
4.57[illegible] -01	-1.8[illegible] -03	-8.67424516048 -01	9.99989518065 -01	-1.86853110983 -04	-4.57480550284 -03		

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible]	8	2127	2.9743	3.0099	2112	2127	15	0	15

	TIME	MCLE	VERBANUM	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAP	THRCMO
DISPLAYS:	3978[illegible]6.63	63	6 63	9101	- 1727	- 1 7	52	5521	57 77	527	- 20	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3978[illegible]6.28	- [illegible]	60.7873	- 1.1315	0.0201	0.0073	0.0461	ACTUAL
	397[illegible]87.28	- [illegible]	60.9631	0.1647	0.0054	- 0.2526	- 0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1533267.0	+ 7[illegible]45.9	+ 228955.9	+ 115.01	+ 83.78	+ 80.31	+ 2665.87
ENV	397887.279	+ 896.04	- 1533216.5	+ 7869[illegible]8.6	+ 228904.2	+ 115.24	+ 83.35	+ 80.62	+ 2719.35
ERR	[illegible]	1[illegible]7.1	58.5	7.3	38.2	0.22	0.38	0.30	53.47
AGC	IN FEETS	+19791.74	- 5030374.0	+ 2581843.8	+ 751167.9	+ 377.35	+ 274.87	+ 263.51	+ 8746.30
ENV	AND FEETS	+19771.78	- 5030566.2	+ 2581819.6	+ 751293.4	+ 378.08	+ 273.60	+ 264.51	+ 8921.75

PIPTIME: 3.578 7[illegible] CS

P63: BRAKQUAD

TPIP: 3.97887280000 05

	R AND RG			V AND VG		
1.7[illegible]1374[illegible] CS	-3.2[illegible]5624[illegible] 02	-7.63918749999 03	-5.22560596465 01	1.11303329467 00	1.54815530776 02	
[illegible]	[illegible]	-8.85749999999 03	-5.22365570068 01	-8.46862792968 -02	1.59278869628 02	

	LAND		TTF	CG			AFC	
[illegible]	-3.251[illegible] 02	1.21824999999 03	-6.56956835937 01	1.00	0.00	0.00	3.02206492051 00	
				0.00	1.00	0.00		
TRANSIENT	0.265			0.00	0.00	1.00		

	UNFC			UNWC		
0.0140140[illegible] 71 -01	17262[illegible] 4111 -04	-8.65214740331 -01	9.99990329212 -01	-1.85534356654 -04	-4.39397987458 -03	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	8841.26	0	2132	0.0145	3.0220	2135	2132	- 3	0	- 3

	TIME	MODE	VERBNOUN	H	HOCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	63	6 63	8746	- 1736	- 1 5	50	5360	55 76	510	- 30	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- 0.4[illegible]4	60.8752	- 0.3295	0.0042	- 0.4490	0.0803	ACTUAL
	[illegible]	- [illegible] 29	60.5236	0.1647	0.0219	- 0.2197	- 0.0109	DESIRED

	TIME	MASS	RA			RV			VN			ALTITUDE
AGC	[illegible]	+ 8823.44	- 1533027.9	+ 7871099.5	+ 229111.9	+ 112.91	+ 79.99	+ 77.27	+ 2556.87
ENV	[illegible]	+ 8950.13	- 1533[illegible].2	+ 7871016	+ 229152.4	+ 113.13	+ 79.62	+ 77.59	+ 2612.60
ERR	[illegible]	12.68	6.2	8.3	40.4	0.21	0.36	0.32	55.73
AGC	IN FEETS	+19452.17	- 5029619.4	+ 2582381.8	751679.7	+ 370.45	+ 282.44	+ 253.51	+ 8388.69
ENV	ANL FOOTS	+19731.46	- 5029817.0	+ 2582354.5	+ 751812.5	+ 371.16	+ 261.25	+ 254.56	+ 8571.54

PIPTIME: 3.97882200000 05 P63: BRAKQUAL TPIP: 3.97889280000 05

R AND RC

1.72843074993	06	- 6.203749.9999	02	-7.33481243999	03	-5.25406360626	01	1.04436874389	00	1.49525403976	02
2.54187499993	03	2.37499999999	00	-8.54424999399	03	-5.25218963623	01	-1.53350830078	-01	1.53988265991	02

V AND VG

LAND TTF CG AFC

1.72889187499	06	-3.6277-99999999	02	1.20937499999	03	-6.37090087890	01	1.00	0.00	0.00	3.03390435874	00
								0.00	1.00	0.00		
		TRANSIENT 0.285						0.00	0.00	1.00		

UNFC UNWC

5.05350315117	-01	2.19177[illegible]	-03	-8.62911499894	-01	9.99991082262	-01	-1.84290109803	-04	-6.21917435619	-03

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397890.4	8823.44	2	2136	3.0293	3.0339	2132	2136	4	0	4

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397890.64	63	6 63	8389	- 1743	- 1 3	48	5200	53 76	462	- 32	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397891.28	- 0.3845	60.1611	0.4234	- 0.0218	- 0.6864	- 0.3438	ACTUAL
	397891.00	- 0.[illegible]9	60.1611	0.1647	0.0549	- 0.1867	0.0988	DESIRED

	TI	MASS	IN			VN			ALTITUDE
AGC	3978[illegible]0.7[illegible]	+ 88[illegible]0.67	- 1532799.9	+ 787263.9	+ 229263.9	+ 110.76	+ 76.21	+ 74.31	+ 2447.12
ENV	3978[illegible]0.279	+ 8941.85	- 1532864.1	+ 787257.1	+ 229304.6	+ 110.97	+ 75.64	+ 74.63	+ 2505.45
ERR	0.0[illegible]	126.17	64.1	6.8	40.6	0.20	0.36	0.32	58.33
AGC	IN FEETS	+19412.59	- 5128871.3	+ 2582987.1	+ 752178.4	+ 363.40	+ 250.05	+ 243.80	+ 8028.62
ENV	AND FEETS	+19691.16	- 5029[illegible]1.7	+ 2582864.6	+ 752311.8	+ 364.08	+ 248.84	+ 244.86	+ 8220.01

PIPTIME: 3.978912[illegible] CO C5 P63: BRAKQUAD TPIP: 3.97891280000 05

R AND R			V AND VG		
1.7833251674[illegible] 06	-3.1831.49[illegible] 02	-7.0409999999 03	-5.2765798568[illegible]7 01	1.0484695434[illegible]5 00	1.4427466392[illegible] 02
2.0433374[illegible]	1.9[illegible]9	-8.2414995[illegible] 03	-5.2748107910[illegible] 01	-1.4953613281[illegible] -01	1.4873733520[illegible] 02

LAND			TTF		CG			AFC	
1.7[illegible]187499 00	-3.2027749999[illegible] 02	1.2004999999[illegible] 02	-6.1716[illegible]4531 01	0.99	-0.00	0.00		3.0471943318[illegible] 00	
				0.00	0.99	0.00			
TRANSIENT 0.17[illegible]				-0.00	-0.00	0.99			

UNFC				UNWC		
5.0[illegible]863 49[illegible] -01	2.2885[illegible]5122 -03	-8.61362966256 -01	9.9999178025[illegible] -01	-1.8312[illegible]69[illegible] -04	-4.0[illegible]5041872743 -03	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3978[illegible]9.49	5[illegible]67	4	2141	3.0343	3.0471	2134	2143	7	0	7

	TIME	MODE	VERBNOUN	H	HDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3978[illegible]0.72	63	6 63	8029	- 1749	- 1 1	46	5039	51 76	475	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]0.2[illegible]	- 0.[illegible]	59.6667	0.3955	- 0.0344	- 0.2779	- 0.6542	ACTUAL
	3[illegible]0.28	- 0.0[illegible]	59.3414	0.1647	0.0604	- 0.1757	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39789.27	+ 8787.[illegible]	- 1532581.0	+ 787411.9	+ 229409.9	+ 108.52	+ 72.45	+ 71.38	+ 2340.37
ENV	39789.27	+ 851.5[illegible]	- 1532644.4	+ 787405.0	+ 229450.0	+ 108.73	+ 72.08	+ 71.71	+ 2398.10
ERR	0.00	12.59	62.4	6.9	40.9	0.21	0.36	0.32	57.73
AGC	IN FEETS	+19375.88	- 5028156.1	+ 2583372.7	+ 752657.4	+ 356.05	+ 237.71	+ 234.19	+ 7678.39
ENV	AND FEETS	+19650.76	- 5028360.8	+ 2583345.9	+ 752791.9	+ 356.75	+ 236.51	+ 235.27	+ 7867.80

PIPTIME: 3.97892[illegible] 05 PGA: APPROACH TPIP: 3.97893280000 05

	R AND RC				V AND VG			
1.7[illegible] 06	- .161 749.99[illegible] 02	-6.75768749999 03	-5.29C331F4C51 01	1.0829925[illegible]371 00	1.39007329940 02
2.[illegible]2124 [illegible] 03	-1.245 [illegible] 599 -01	-7.95087459999 03	-5.27870178222 01	-8.08715820312 -02	1.43505859375 02

	LAND	TTF	CG			AFC	
1.7[illegible]5185187[illegible] 04	-3.179999[illegible] 02	1.19162499999 03	-1.53172812499 02	0.99 -0.00	0.00	3.07472422719	00
				0.00 0.99	0.00		
	TRANSIENT 26.678			-0.00 -0.00	0.99		
	UNFC			UNWC			
6.56970 [illegible] -01	1.0[illegible]745[illegible]474 -03	-5.43C5417[illegible]817 -01	-6.10425545477 -04	-2.4417C37819C -04	5.0999[illegible]783880	-01	

	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39789.32	87[illegible]6.93	4	2156	3.0C593	3.0C747	2149	2156	7	0	7

	TIME	MCIE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39789.59	64	6 63	7678	- 1752	- 2 33	45	4879	99 75	457	- 36	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39789.28	- 0.729	59.6118	- 0.0659	- 0.0065	- 1.1870	- 0.1871	ACTUAL
	39789.23	- 0.1729	52.8771	0.1647	- 0.0219	- 0.9845	0.0109	DESIRED

	TIME	[illegible]	RN			VN			ALTITUDE
AGC	397855.[illegible]	+ 377[illegible]	- 15[illegible]	+ 787553.9	+ 229549.9	+ 106.25	+ 68.76	+ 68.47	+ 2233.43
ENV	3970[illegible].27	+ 389.04	- 1532425.1	+ 787545.5	+ 229591.4	+ 106.46	+ 68.40	+ 68.79	+ 2290.54
ERR	[illegible]	14.80	63.1	8.4	41.4	0.21	0.36	0.32	57.10
AGC	IN POUNDS	+1[illegible]4.75	- 5027447.5	+.2583838.5	+ 753116.7	+ 348.59	+ 225.62	+ 224.6[illegible]	+ 7327.55
ENV	ANI FLOCTS	+1961.01	- 5027654.8	+ 2583810.7	+ 753252.7	+ 349.28	+ 224.41	+ 225.70	+ 7514.90

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	TI	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1832155.5	+ 787687.9	+ 229683.5	+ 103.71	+ 65.94	+ 66.06	+ 2127.18
ENV	297897.79	+ 1875.75	- 1532218.7	+ 787679.4	+ 229726.6	+ 103.91	+ 65.57	+ 66.38	+ 2183.56
ERR	[illegible]	122.65	62.7	8.5	42.6	0.20	0.36	0.32	56.37
AGC	IN FEETS	+192[illegible]	- 5026758.5	+ 2584278.2	+ 753556.4	+ 340.26	+ 216.34	+ 216.74	+ 6978.96
ENV	ARE FOOTS	+195[illegible]	- 5026964.3	+ 2584250.2	+ 753696.2	+ 340.93	+ 215.14	+ 217.81	+ 7163.92

FIRTIME: 3.97897280000 05 PE4: APPROUAD TPIP: 3.97897280000 05

	R AND G			V AND VG	
1.7[illegible] 1249 6	-3.11812[illegible]999 02	-6.22174999999 03	-5.23489475250 01	1.09214782714 00	1.29332780838 02
2.111[illegible]	-1.24[illegible]	-7.39724999999 03	-5.24189975830 01	-7.97271728515 -02	1.33829879760 02

	LAND			TTF		CG			AFC	
[illegible]	-3.13249[illegible] 02	1.17399999999 03	-1.50763789062 02	0.99	-0.00	0.00	3.07409092783	00
				0.00	0.00	0.00		
	TRANSIEDT 1.147			-0.00	-0.00	0.99		

	LNFC			UNWC		
3.6578[illegible]4595 -01	9.84615[illegible]1938 -04	-5.00422512745 -01	-2.75059724660 -01	-1.22085852002 -04	9.61427133466 -01	

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	297897.33	8752.10	48	2147	2.9543	3.0740	2070	2147	77	0	77

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	297898.60	64	6 64	6579	- 1732	- 2 30	42	4577	99 61	429	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	297899.2[illegible]	- 0.1867	299.8937	0.7250	0.0479	- 2.8056	- 0.6651	ACTUAL
	297[illegible]	- [illegible]	300.2453	0.1647	0.0000	- 0.6262	0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1531951.9	+ 787817.0	+ 229813.0	+ 100.42	+ 63.56	+ 64.06	+ 2023.31
ENV	[illegible]	+ 385[illegible].39	- 1532014.0	+ 787808.4	+ 229857.3	+ 100.63	+ 63.58	+ 64.38	+ 2078.84
ERR	[illegible]	12.00	67.0	9.5	43.3	0.20	0.36	0.32	55.53
AGC	IN POUNDS	+1925.85	- 5026085.2	+ 2584704.7	+ 7539826.9	+ 329.47	+ 209.84	+ 210.19	+ 6638.16
ENV	ALL EFFECTS	+ [illegible]	- 5026292.7	+ 2584573.3	+ 7541250.0	+ 330.16	+ 208.64	+ 211.24	+ 6820.36

PIPTIME: [illegible] PEG: APPROACH TPIP: 3.97899280000 05

R AND RG			V AND VG		
[illegible] 06	- [illegible] 02	-5.06766243939 03	-5.06266117095 01	1.07669830322 00	1.25366497039 02
[illegible] 03	- [illegible] 01	-7.13362495559 03	-5.05233764648 01	-9.84191896531 -02	1.29862213134 02

LAND			TTF	CG			AFC
1.72[illegible]7495 [illegible]	- [illegible] 02	1.16524999999 03	-1.49224570312 02	0.99 -0.00	0.00		3.03989509120 00
				0.00 0.00	0.00		
TRANSIENT 0.055				-0.00 -0.00	0.99		

UNFC			UNWC		
0.70587281[illegible] -01	1.24691187183 -03	-4.92012429504 -01	-2.71629940489 -01	-1.22095366512 -04	9.62398944214 -01

	TIME	MASS	FWEIGHT	FCOLLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]5C0.33	8794.39	- 91	2118	0.1792	3.0398	2263	2118	- 146	0	- 145

	TIME	MODE	VERHACON	F	HOCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	3790.60	64	6 64	6638	- 1674	- 2 29	40	4435	99 46	416	- 36	9999

	CDETIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]1.02	0.[illegible]	29.025-	0.2416	0.1334	0.6338	0.6018	ACTUAL
	[illegible]1.22	- 0.0329	29.1467	0.1647	- 0.0164	- 0.5493	0.0329	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]279 1.279	+ 715.7[illegible]	- 1531753.9 + 787945.9 + 229939.9	+ 96.97 + 62.74 + 62.64	+ 1923.56
ENV	97901.279	+ 837.32	- 1531816.3 + 787934.3 + 229984.6	+ 97.18 + 62.38 + 62.96	+ 1978.48
ERR	0.000	121.59	62.3 11.6 44.6	0.20 0.36 0.32	54.91
AGC	IN POUNDS	+10214.7[illegible]	- 5025459.6 + 2585124.6 + 754356.3	+ 318.16 + 205.87 + 205.51	+ 6310.90
ENV	IN POUNTS	+10482.77	- 5025644.1 + 2585086.3 + 754542.7	+ 318.83 + 204.66 + 206.59	+ 6491.08

PIPTIME: 3.97901280000 05 P64: APPROACH TPIP: 3.97901280000 05

	R AND RG			V AND VG	
[illegible]7[illegible]7[illegible]4[illegible] 06	-[illegible].074[illegible]999 02	-5.71949999999 03	-4.8334360122[illegible] 01	1.13124847412 00	1.22181272506 02
1.[illegible]9[illegible]7[illegible] 03	-1.24[illegible]999 -01	-6.8772499999[illegible] 03	-4.8234939575[illegible] 01	-4.6539306640[illegible] -02	1.26674652099 02

	LAND		TTF	CG	AFC
1.735[illegible]1[illegible] 0[illegible]	-3.08[illegible] 02	1.15649999999 03	-1.47324277343 02	0.99 -0.00 0.00	2.09567822366 00
				0.00 0.99 0.00	
	TRANSIENT 0.045			-0.00 -0.00 0.99	

	UNFC			UNWC	
8.7037[illegible]44628[illegible] -[illegible]1	5.782[illegible]27657[illegible]3 -04	-4.9238[illegible]0[illegible]7285 -01	-2.6821680[illegible]0968 -01	-1.220832[illegible]4810 -04	9.63358569159 -01

	TIME	MASS	FWEIGHT	FCULO	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]97902.34	8715.73	- 28	2083	3.1942	2.9956	2130	2083	- 47	0	- 47

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCRVEL	DELTAH	THRCMD
DISPLAYS:	97902.62	4	6 64	6311	- 1598	- 2 27	39	4310	99 45	407	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]79[illegible].28	0.2406	28.5842	0.3295	0.0856	0.7415	1.0211	ACTUAL
	3.7903[illegible]	- 0.1329	28.4326	0.1647	0.0169	- 0.0329	- 0.0219	DESIRED

	TIME		N			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1[illegible]	+ 788069.9	+ 230005.9	+ 93.90	+ 61.68	+ 61.34	+ 1828.12
ENV	[illegible]	+ 819.32	- 1[illegible]625.0	+ 788058.0	+ 230109.2	+ 94.11	+ 61.31	+ 61.66	+ 1882.46
ERR	[illegible]	1[illegible]	61.0	11.9	43.2	0.21	0.36	0.32	54.33
AGC	IN PO[illegible]DS	+1[illegible]	- 5024816.3	+ 2585531.4	+ 754809.7	+ 308.08	+ 202.37	+ 201.24	+ 5997.78
ENV	AN[illegible] FLOTS	+1[illegible]43.7	- 5025016.4	+ 2585492.2	+ 754951.6	+ 308.78	+ 201.17	+ 202.30	+ 6176.05

PIPTIME: [illegible] 05 PEG: APPROACH TPIP: 3.97903280000 05

R AND VG			V AND VG		
1.7[illegible] 06	- [illegible] 02	-5.47759999999 03	-4.62926387786 01	1.14583969116 00	1.19336223602 02
1.6[illegible] 03	-[illegible] -01	-6.62674999999 03	-4.61963653564 01	-3.47137451171 -02	1.23827743530 02

LAN		TTF	CG		AFC
[illegible]	-[illegible] 02	1.14762499999 03	-1.45264965820 02	0.99 -0.00 0.00	2.96315876767 00
				0.00 0.99 0.00	
TRANSIT [illegible] 20				-0.00 -0.00 0.99	

UNFC			UNWC		
[illegible] -01	[illegible]28421 -04	-4.94202328372 -01	-2.64790436244 -01	-1.22079500343 -04	5.64305973210 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	7904.34	[illegible]	2	2056	3.0043	2.9631	2057	2056	0	0	0

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	7904.61	64	6 64	5998	- 1530	- 2.25	37	4199	99.44	398	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97905.8	0.4174	28.2678	0.4294	0.0627	0.8508	0.7236	ACTUAL
	97905.2	- 0.0329	28.5095	0.1647	0.0219	0.1098	- 0.0329	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]0.279	+ [illegible]	- 1521379.9	+ 788191.9	+ 2301859	+ 90.92	+ 60.65	+ 60.07	+ 1736.81
ENV	39790.279	+ [illegible]	- 1531439.7	+ 786179.7	+ 2302313	+ 91.14	+ 60.28	+ 60.39	+ 1790.48
ERR	[illegible]	[illegible]	59.7	12.2	45.3	0.21	0.36	0.32	53.67
AGC	IN FEETS	+191[illegible]6.54	- 5024212.5	+ 2585931.7	+ 7552039.4	+ 298.32	+ 199.00	+ 197.08	+ 5698.20
ENV	AND FOOTS	+194[illegible]4.02	- 5024418.4	+ 2585891.4	+ 7553520	+ 299.01	+ 197.80	+ 198.14	+ 5874.30

FIPTIME: [illegible]0.97905[illegible] 05 P64: APPROACH TPIP: 3.97905260000 05

	R AND RG			V AND VG	
1.7[illegible]7621124[illegible] 06	-3.028749[illegible] 02	-5.24206249999 03	-4.43113803863 01	1.1504173278[illegible] 00	1.16580867767 02
1.72499[illegible]	-1.24999[illegible] -01	-6.38199999999 03	-4.42180633544 01	-3.16619873046 -02	1.21070861816 02

	LAND		TTF		CG		AFC	
1.7[illegible]	-3.03749[illegible] 02	1.13874999999 03	-1.43170185546 02	0.99	-0.00	0.00	2.93172197416	00
				0.00	0.99	0.00		
	TRANSIENT 0.151			-0.00	-0.00	0.99		

	UNFC			UNWC		
3.68[illegible] -01	[illegible]0254 4[illegible] -04	-4.96496101630 -01	-2.61505518162 -01	-1.22084742372 -04	9.65201973198	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRCTTLE:	[illegible]79060.33	[illegible]31.13	- 10	2030	2.9543	2.9317	2046	2030	- 16	0	- 16

	TIME	MODE	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAF	THRCMD
DISPLAYS:	39790.61	66	6 64	5698	- 1464	- 2 23	36	4091	99 43	389	- 36	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39790.2[illegible]	0.9845	28.5424	0.2197	0.0853	0.8749	0.4962	ACTUAL
	39797.28	- 0.[illegible]	28.8061	0.1647	0.0219	0.2416	- 0.0329	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	3979[illegible]	+ 8[illegible]	- 15311[illegible].9	+ 78[illegible]311.9	+ 230[illegible]5.9	+ 87.96	+ 59.60	+ 58.81	+ 1649.43
ENV	3979 [illegible]	+ 8784.70	- 15312[illegible].3	+ 788299.2	+ 230350.8	+ 88.16	+ 59.23	+ 59.13	+ 1702.52
ERR	[illegible]	11.77	6.[illegible]3	12.7	44.8	0.26	0.36	0.32	53.08
AGC	IN PROUNDS	+19101.15	- 5023622.0	+ 2586325.4	+ 755597.1	+ 288.58	+ 195.55	+ 192.95	+ 5411.54
ENV	AND FEET	+19365.21	- 5023820.1	+ 2586283.7	+ 755744.2	+ 289.26	+ 194.36	+ 194.00	+ 5585.71

PIPTIME : 3.979072[illegible] C5 P64: APPROACH TPIP: 3.979072[illegible]00 05

R AND TG				V AND VG			
1.7275[illegible]4[illegible]745[illegible] 06	-3.05624[illegible]9[illegible]9 02	-5.01168749999 03	-4.23503875732 01	1.17502212524 00	1.13815069198 02		
[illegible]6.94[illegible]3.5 03	-1.49[illegible]9[illegible] 09	-1 -6.14274999995 03	-4.22559[illegible]9[illegible]8[illegible]0 01	-8.01086425781 -03	1.18302[illegible]8950 02		

LAND		TTF	CG			AFC
1.7[illegible]5[illegible]1[illegible]745[illegible] 06	-2.01374999999 02	1.12999999999 03	-1.41085488281 02	0.99 -0.00 0.00		2.89854826405 00
				0.00 0.99 0.00		
TRANSIENT 0 146				-0.00 -0.00 0.99		

UNFC				UNWC		
[illegible].6677[illegible]5. -01	7.[illegible]720[illegible]0[illegible]1[illegible] -05	-4.9869[illegible]811976 -01	-2.58331266731 -01	-1.72084719627 -04	[illegible].66[illegible]56386410 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible].51	3[illegible]84.22	- 18	2[illegible]03	2.5493	2.8985	2029	2003	- 26	0	- 26

	TIME	MODE	VERBNOUN	R	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	79[illegible]6.7	64	6 64	5412	- 1399	- 2.21	34	3984	99.44	379	- 36	9999

	CELTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]3.28	0.[illegible]	29.0808	0.0545	0.0345	0.2700	- 0.1884	ACTUAL
	[illegible]06.21	- [illegible]	2[illegible].2456	0.1647	0.0219	0.2416	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]79	+ 8647.2[illegible]	- 1[illegible]27.6	+ 788429.9	+ 230421.6	+ 85.03	+ 58.53	+ 57.52	+ 1565.99
ENV	[illegible].79	+ 87.6.63	- 1531086.6	+ 788416.6	+ 230467.8	+ 85.24	+ 58.16	+ 57.84	+ 1618.49
ERR	[illegible]	11[illegible].33	58.9	13.3	45.8	0.20	[illegible].37	0.32	52.49
AGC	IN FLIGHT	+19053.82	- 5023057.7	+ 2586712.5	+ 755977.6	+ 278.99	+ 192.03	+ 188.71	+ 5137.79
ENV	ANY DOTS	+19326.92	- 5023251.1	+ 2586668.9	+ 756128.0	+ 279.68	+ 190.81	+ 189.77	+ 5310.00

PIPTIME: [illegible].79[illegible] 05 P64: APPROUAD TPIP: 2.97909280000 05

		R AND RC						V AND VG			
1.737451.2459 06	-2.81874[illegible] 02	-4.78681243999	03	-4.04357487640	01	1.17959576196	00	1.11036827896	02
1.555594[illegible] 03	00	-5.50887493999	03	-4.03522491455	01	-4.19616699218	-03	1.15525436401	02
		LAND		TTF		CG		AFC	
1.735891[illegible]7459 06	-2.98[illegible]99 02	1.12112499999	03	-1.39016523437	02	0.99 -0.00	0.00	2.86485766991	00
						0.00 0.99	0.00		
	TRANSIENT [illegible].131					-0.00 -0.00	0.99		
		UNFC				UNWC			
0.65631291[illegible]5 -01	-4.87627[illegible]4110 -06	-5.00682002327	-01	-2.55268389294	-01	-1.22079574028	-04	9.66870226309	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	PEG55
THROTTLE:	39791[illegible].40	8647.29	- 16	1976	2.5293	2.8648	2003	1976	- 27	0	- 27

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	39791[illegible].64	64	6 64	5139	- 1336	- 2 19	33	3877	59 44	372	- 36	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39791[illegible].28	[illegible].7186	29.3994	- 0.1647	- 0.0222	0.1906	- 0.0652	ACTUAL
	39791[illegible].2[illegible]	- [illegible].32	29.6850	0.1647	0.0219	0.2416	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	2979[illegible]	+ [illegible]	- 1520[illegible]	+ 788545.9	+ 230535.9	+ 82.18	+ 57.40	+ 56.19	+ 1486.31
ENV	3979[illegible]	+ 2743.55	- 1530515.3	+ 788531.8	+ 230[illegible]82.2	+ 82.39	+ 57.03	+ 56.52	+ 1538.23
ERR	0.0[illegible]	119.14	59.3	14.1	46.2	0.20	0.36	0.32	51.92
ACC	IN POUNDS	+19026.54	- 5022506.5	+ 2587093.1	+ 756351.7	+ 269.62	+ 188.33	+ 184.36	+ 4876.35
ENV	AND FEETS	+19289.26	- 5022701.2	+ 2587046.8	+ 756503.3	+ 270.31	+ 187.12	+ 185.43	+ 5046.69

PIPTIME: 3.979112[illegible] C5 P64: APPROACH TPIP: 3.979112[illegible]00000 C5

U AND C				V AND VG			
1.73737[illegible]245 C6	-1.951[illegible]9 02	-4.56756249999 03	-3.86194705963 01	1.174163[illegible]1835 C0	1.08232164382 02		
1.6171[illegible]	[illegible]	-5.68[illegible]749[illegible]9999 C3	-3.85[illegible]8[illegible]8378 C1	-9.15527342750 -C3	1.12717056274 02		

LAND		TTF	CG			AFC	
[illegible]735[illegible]8745 [illegible]	-2.966[illegible]5 [illegible] C7	1.11224999999 03	-1.36979838867 02	0.99 -0.00 0.00		2.83174682408 00	
				0.00 0.59 0.00			
TRANSIENT 0.084				-0.00 -0.00 0.99			

UNFC				UNWC			
0.6488[illegible] -02	7.5647[illegible]50 -05	-5.01961607585 -01	-2.52203237350 -01	-1.22073202976 -C4	9.67674279997 -01		

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	2979[illegible].39	8630.40	- 16	1950	2.8943	2.8317	1977	1950	- 27	0	- 27

	TIME	MODE	VERBCODE	H	HDOT	TTF	RANGE	ABVEL	TTF LRO	FURVEL	DELTAH	THRCMD
DISPLAYS:	7912.63	64	6 64	4876	- 1275	- 2 17	32	3770	99 44	363	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	07913.2[illegible]	0.12[illegible]5	259.6[illegible]F	0.1538	- 0.0780	- 0.1180	- 0.2363	ACTUAL
	07913.[illegible]	- [illegible]	360.0476	0.1647	0.0219	0.1428	- 0.0329	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	[illegible]	+ 8614.07	- 1530697.5	+ 788659.9	+ 230645.9	+ 79.40	+ 56.23	+ 54.87	+ 1410.24
ENV	[illegible]	+ 732.71	- 1530737.2	+ 788644.8	+ 230693.9	+ 79.61	+ 55.86	+ 55.19	+ 1461.58
ERR	[illegible]	11.63	59.3	15.1	47.9	0.21	0.36	0.32	51.33
AGC	IN POUNDS	+189305	- 5021975.0	+ 2587467.1	+ 756712.5	+ 280.50	+ 184.50	+ 180.02	+ 4626.80
ENV	AND FEET	+19252.1	- 5022169.7	+ 2587417.3	+ 756869.7	+ 261.19	+ 183.29	+ 181.08	+ 4795.24

PIPTIME: 3.97913280000 05 P64: APPROACH TPIP: 3.97913280000 05

	R AND RC			V AND VG		
	1.73726[illegible] 06	-2.93417[illegible] 2	-4.35387499999 03	-3.68795354897 01	1.17874145507 00	1.05435085296 02
	1.40174[illegible] 01	0.	-5.45812499999 03	-3.67980957031 01	-4.57763671875 -03	1.09918212890 02

	LAMC		TTF	CG	AFC
	1.73586187499 06	-2.94245[illegible] 02	1.10337499999 03	-1.34950263671 02	0.99 -0.00 0.00	2.79915984719 00
					0.00 0.99 0.00
	TRANSIENT 0.055				-0.00 -0.00 0.99

	UNFC				UNWC	
	1.64417[illegible]445 -01	0.01446[illegible]557 -06	-5.02792067602 -01	-2.49279855045 -01	-1.22076324704 -04	9.69431463877 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3791[illegible].40	8614.07	- 16	1924	2.8593	2.7991	1949	1924	- 25	0	- 25

	TIME	MCLC	VERBACUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3791[illegible].6	04	6 64	4627	- 1218	- 2 14	30	3664	99 46	352	- 36	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3791[illegible]	[illegible]	30.0695	0.2526	- 0.0673	- 0.2950	- 0.3572	ACTUAL
	3791[illegible]	- [illegible]	30.2673	0.1647	0.0219	0.1209	- 0.0329	DESIRED

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                TIME        |   MASS      |          RN                |          VN                |          ALTITUDE
AGC   39791[illegible]79    | + 8597.77   | - 1520541.9  + 788771.9  + 230753.9  | + 76.68  + 55.04  + 53.55  | + 1337.74
ENV   39791.6279            | + 8716.10   | - 1520600.8  + 788755.3  + 230802.9  | + 76.89  + 54.67  + 53.86  | + 1388.45
ER          .10             |   11.[illegible]3   |     98.8       16.6       48.9  |  0.21    0.37    0.31  |   50.70

AGC   IN PROGRESS           | +1[illegible]54.64  | - 5021463.2  + 2587834.6  + 757066.9  | + 251.58  + 180.58  + 175.69  | + 4388.94
ENV   ANY EFFECTS           | +1021[illegible]51  | - 5021656.3  + 2587780.0  + 757227.5  | + 252.28  + 179.36  + 176.73  | + 4555.29

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                                          P64:  APPROACH
                                          ||||||||||||||

      PIPTIME:        3.97915280000  05                                                    TPIP:        3.97915280000  05

                    R AND VG                                                              V AND VG
  1.73722[illegible]  06  - [illegible]  02  -4.14582249999  03  -3.52099418640  01   1.19333267211  00   1.02647590637  02
  1.36974[illegible]  03        0.            -5.24124999999  03  -3.51314544677  01   1.06811523437 -02   1.07129669189  02

                    LAND                                  TTF                          CG                          AFC
  1.7[illegible]  06  -2.51874999999  02   1.09449999999  03  -1.32930942382  02   0.99 -0.00  0.00   2.76718987151  00
                                                                                      0.00  0.59  0.00
                    TRANSIENT  0.037                                                   -0.00 -0.00  0.99

                    UNFC                                                              UNWC
  3.0[illegible]  -01  -2.[illegible]  -04  -5.03320943731 -01  -2.46468740612 -01  -1.22074661026 -04   5.69150733889 -01

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                TIME        MASS      FWEIGHT   FCLLC      AF        AFC       FP        FC       PIF    PIFPSET   REG55
TH[illegible]TTLE:  39791[illegible]  8597.77  -  14   1[illegible]  2.8243    2.7671    1921      1898  -  23       0  -  23

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                TIME      MODE  VERBNOUN    H      HDOT     TTF      RANGE    ABVEL    TTF LPD   FORVEL   DELTAH   THPCMD
DISPLAYS:       39791[illegible]  64    6  64   4389  - 1162  - 2 12     29     3560     99 44     343  -  36    9999

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                CELTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATITUDE :       39717[illegible]  [illegible]  3[illegible]6728   0.2966     0.0035     0.1829    - 0.1472    ACTUAL
                39717.28  -  [illegible]  3[illegible]4101   0.1647     0.0274     0.0769    - 0.0439    DESIRED

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	TIME	MASS	FN			VN			ALTITUDE
AGC	3979170.279	+ 8581.04	- 1530391.9	+ 788379.9	+ 230859.9	+ 74.02	+ 53.79	+ 52.20	+ 1267.74
ENV	3979170.279	+ 8599.8	- 1530440.7	+ 788863.4	+ 230909.3	+ 74.22	+ 53.43	+ 52.53	+ 1318.56
ERR	0.0	118.18	57.7	16.5	49.3	0.20	0.35	0.33	50.81
AGC	IN POUNDS	+18918.77	- 5020971.1	+ 2588189.9	+ 757414.6	+ 242.86	+ 176.48	+ 171.27	+ 4159.28
ENV	ALL FORTS	+19179.32	- 5021186.6	+ 2588134.7	+ 757576.6	+ 243.54	+ 175.32	+ 172.36	+ 4325.99

PIPTIME: 2.97917280000 05 PGA: APPROUAD TPIP: 3.97917280000 05

	R AND RC		V AND VG	
1.78715541742 06	-2.86867[illegible] 02	-3.94331269999 03	-3.36202621459 01	1.20596885681 00	5.98329162597 01
1.22614[illegible] 03	[illegible]	-5.02974999999 03	-3.35445404052 01	2.32696932203 -02	1.04313278198 02

	LAND		TTF		CG		AFC	
1.73588187459 06	-2.85495[illegible] 02	1.08562459999 03	-1.30939448242 02	0.99 -0.00 0.00	2.73588346317 00
				0.00 0.99 0.00	
	THANSIENT 1.024			-0.00 -0.00 0.99	

	UNFC			UNWC	
1.64287[illegible] -01	-4.20[illegible]516973 -04	-5.02998284735 -01	-2.43655651387 -01	-1.22071969633 -04	9.69861798734 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979180.0	8581.40	- 22	1873	2.7993	2.7356	1902	1873	- 29	0	- 29

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FCPVEL	DELTAH	THRCMD
DISPLAYS:	3979180.8	66	6 64	4159	- 1109	- 2.10	28	3456	99.45	333	- 7	9999

	COUTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979180.28	0.2966	30.8825	0.0769	0.0509	0.0015	0.2124	ACTUAL
	3979180.2	- 0.1826	30.4101	0.1647	0.0329	0.0549	- 0.0549	DESIRED

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          TIME      |   MASS    |                 RN                  |                 VN                  |   ALTITUDE
AGC   3579190.27    | + 856.78  | - 1530243.9  + 7[illegible]5.9  + 230963.9  | + 71.45  + 52.54  + 50.86  | + 1199.31
ENV   3579190.27    | + 368.44  | - 1530202.9  + 798069.1  + 231013.1  | + 71.64  + 52.19  + 51.19  | + 1251.83
ERR       0.00      |   117.66  |       39.9       16.8       49.1  |   0.18    0.35    0.32  |    52.51

ACC   IN POUNDS     +18[illegible]4.12  | - 5020485.5  + 2588536.7  + 757755.9  | + 234.43  + 172.40  + 166.89  | + 3934.75
ENV   AND FEETS     +19142.52  | - 5020682.0  + 2598481.3  + 757917.0  | + 235.04  + 171.23  + 167.96  | + 4107.05

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      PIPTIME:      3.97919280000  05     P64:  APPROACH                    TPIP:      3.97919280000  05
                                          ||||||||||||||

                R AND RG                                                    V AND VG
  1.70[illegible]745  06  - 0.86245[illegible]  02  -3.74643749999  00  -3.21077823638  01   1.21054649353  00   5.70704078674  01
  1.19[illegible]  03  [illegible]                  -4.82287499999  02  -3.20246832275  01   2.82287597656 -02   1.01549530029  02

                LAND                                  TTF                     CG                    AFC
  1.735 91[illegible]  06  -[illegible]7124 [illegible]999  02   1.07674999999  03  -1.28939448242  02   0.99 -0.00  0.00    2.70724762231  00
                                                                                                   0.00  0.99  0.00
                T ANSIENT  0.039                                                                  -0.00 -0.00  0.99

                UNFC                                                        UNWC
  8.64[illegible]  -01  -5.05655[illegible]713  -04  -5.02402556142  -01  -2.40495645735  -01  -1.22079010017  -04   5.70650208651  -01

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          TIME      MASS    EWEIGHT   FCLLP     AF       AFC       FP       FC      PIF    PIFPSET   REG55
THROTTLE:  [illegible]0.62   856.78  -   12    1850    2.7643    2.7072    1867    1850  -   17       0  -   17

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          TIME      MODE  VERKNOWN     F      HDOT      TTF      RANGE    ABVEL   TTF LPD   FDRVEL   DELTAH   THROMO
DISPLAYS:  [illegible]  64    6  64    3935  - 1058  - 2  8      27     3353    99 4[illegible]     324  -   23     9999

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          COUTIME      COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:  [illegible]21.2   0.2[illegible]26   3C.3552  -  C.0878   0.0262    0.1374    0.3200     ACTUAL
           [illegible]73 1.2  -  [illegible]0.2   3C.4101    0.1647   0.0384    0.0219  -  0.0549     DESIRED

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	TIME	MASS	RA			RN			ALTITUDE
AGC	397921.279	+ 8550.09	- 1530099.9	+ 789087.9	+ 231063.9	+ 68.92	+ 51.26	+ 49.58	+ 1123.06
ENV	397921.7[illegible]	+ 8667.47	- 1530163.1	+ 789072.2	+ 231114.1	+ 69.11	+ 50.95	+ 49.85	+ 1108.11
ERR	0.0[illegible]	117.37	63.1	15.7	50.1	0.19	0.31	0.26	55.05
AGC	IN POUNDS	+1884.5[illegible]	- 5020013.1	+ 2508871.3	+ 758083.9	+ 226.12	+ 168.19	+ 162.68	+ 3717.39
ENV	AND FEETS	+1910.3[illegible]	- 5020220.[illegible]	+ 2508819.6	+ 758248.5	+ 226.75	+ 167.17	+ 163.55	+ 3898.02

PIPTIME: 3.97921280000 05 P64: APPROACH TPIP: 3.97921280000 05

	P AND R			V AND VG	
1.7702162459 06	-2.838749[illegible] 02	-3.55506249999 03	-3.06330668847 01	1.27391815185 00	9.43251132965 01
1.1268749[illegible] 03	[illegible]	-4.62362459999 03	-3.0562973224 01	9.30786132812 -02	9.88033294677 01

	LANC	TTF	CG	AFC
1.7[illegible]5185749[illegible] 06	-2.8474[illegible] 02	1.06787499999 03	-1.26948422851 02	0.99 -0.00 0.00 / 0.00 0.99 0.00 / -0.00 -0.00 0.99	2.67870258539 00

TRANSIENT 0.035

	LNFC			UNWC	
[illegible].65150024[illegible]9 -01	-1.5940[illegible]9769985 -03	-5.0151061 1425 -01	-2.3733276570 2 -01	-1.22084756019 -04	9.71426403650 -01

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397922.62	8550.09	- 16	1827	2.7253	2.6787	1850	1827	- 23	0	- 23

	TIME	MODE	VCRANGUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397922.88	64	6 64	3717	- 1010	- 2 6	26	3254	99 44	315	- 30	9999

	CPTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397923.2[illegible]	0.252[illegible]	3C.0E05	0.1757	- 0.0132	0.4254	0.4C80	ACTUAL
	397923.2[illegible]	- 0.1329	3C.4101	0.1647	0.0659	0.0000	- 0.0549	DESIRED

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          TIME      |   MASS    |          RN          |          VN          |   ALTITUDE
AGC   397924.279    |  8534.42  | - 1529961.9  + 789187.9  + 231159.9  |  + 66.43  + 50.04  + 48.28  |  + 1069.06
ENV   397923.279    |  8651.54  | - 1530027.3  + 789172.9  + 231212.5  |  + 66.62  + 49.72  + 48.54  |  + 1127.37
ERR        .00      |   117.21  |      65.3        15.0        52.5    |    0.19     0.32     0.26   |     58.30

AGC   IN PCUNDS     +18815.01   | - 5015560.3  + 2595196.4  + 758398.9  |  + 217.96  + 164.18  + 158.40  |  + 3507.42
ENV   AND FCLTS     +19073.41   | - 5019774.8  + 2581149.9  + 758571.3  |  + 218.59  + 163.13  + 159.26  |  + 3698.72

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                                          P64:  APPROUAL
                                          ||||||||||||||

      PIPTIME:        3.79222900000  05                                                    TPIP:        3.97923280000  05

                    R AND G                                                                V AND VG
  1.73695795595  06  -2.31312469999  02  -3.26912499999  02  -2.91761875152  01   1.28016471862  00   5.16307449340  01
  1.43374[illegible]  03   1.49399[illegible]  -01  -6.42687499999  03  -2.91038104248  01   5.99450683592  -02   9.61074829101  01

                    LAND                                  TTF                          CG                          AFC
  1.7[illegible]  06  -2.82374[illegible]  02   1.05899993999  03  -1.24948422851  02   0.99  -0.00  0.00   2.65012029558  00
                                                                                          0.00   0.99  0.00
                  TRANSIENT    0.48                                                      -0.00  -0.00  0.99

                    UNFC                                                                  UNWC
  8.[illegible]  -01  -1.78341[illegible]  -03  -5.00825587432  -01  -2.34023920634  -01  -1.22079205860  -06   5.72230831473  -01

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          TIME        MASS     FWEIGHT   FCCLL     AF        AFC       FP       FC      PIF    PIFPSET   REG55
THROTTLE:  397924.66   8534.42   -  18    1804    2.7093    2.6501    1829     1804   -  24      0    -  24

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                  (((((((((((((((    (IME:  397924.66    PLUS AZIMUTH RECESIGNATION    ))))))))))))))

          TIME      MODE  VERBNOUN    F     HDOT     TTF     RANGE    ABVEL   TTF LPD   FCRVEL   DELTAF   TFRCMD
DISPLAYS:  [illegible]924.[illegible]   [illegible]  [illegible]64   3507  -  962  -  2  4     25     3154    99 44     308  -  38     9999

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          CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  [illegible]  [illegible].2417   30.0366  -  0.2087  -  0.0418   0.1144  -  0.3785     ACTUAL
           [illegible]  -  [illegible].329   30.4101   0.1647    0.0659   0.0000  -  0.0659     DESIRED

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          TIME      |     MASS      |          RN                |                VN                  |   ALTITUDE
AGC   [illegible]9792[illegible]0.279 | + 854[illegible]0.3[illegible] | - 1529827.[illegible] + 789283.9  + 231255.9 | + 64.04  + 48.81  + 47.00 | + 1007.37
ENV   [illegible]9792[illegible]0.279 | + 46[illegible]5.94  | - 1529896.5  + 789271.1  + 231308.3 | + 64.21  + 48.49  + 47.25 | + 1069.51
ERR   0.[illegible]   | 11[illegible]0.62  |        68.5        12.8        52.3  |   0.16    0.31    0.25  |    62.13

AGC   IN POUNDS   +137[illegible]1.7[illegible] | - 501[illegible]120.7  + 2589514.4  + 758713.9 | + 210.12  + 160.14  + 154.20 | +  3305.03
ENV   ANI FE TE   +190[illegible]0.81 | - 5[illegible]1.345.6  + 2589472.3  + 758885.6 | + 210.67  + 159.10  + 155.03 | +  3508.89

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      FIRTIME:      3.79252[illegible]0000  05          P64: APPROAD                          TPIP:      3.97925280000  05
                                          ||||||||||||||

                   R AND RG                                                          V AND VG
 1.7[illegible]2499  06  -2.78745999999  02  -3.18849999999  03  -2.78065681457  01   1.29442214965  00   8.89886379241  01
 1.[illegible]  [illegible]  -1.5[illegible]999999999  02  -6.24274999999  03  -2.77416229248  01   1.18637[illegible]960  -01   9.34642791748  01

                   LAND                                  TTF                          CG                          AFC
 1.72589[illegible]749[illegible]  [illegible]  -1.27749999999  02   1.05374999999  03  -1.22995883789  02   0.99  -0.00  0.00   2.62544490396  00
                                                                                                              0.00   0.99  -0.03
                   TRANSIENT  2.427                                                                          -0.00   0.03   0.99

                   UNFC                                                              UNWC
 [illegible]65[illegible]427143  -1  4.05437900661  -02  -4.98990669846  -01  -2.30249696409  -01   3.45496628228  -02   9.72518070835  -01

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              TIME       MASS     FWEIGHT   FCOLD     AF        AFC       FP       FC      PIF    PIFFSET   REG55
THROTTLE:   397926.64   8519.2   -  10    1784    2.6743    2.6254    1800     1784   -  15       0    -  15

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              TIME      MODE  VERBNOUN    F      FDOT      TTF      RANGE    ABVEL   TTF LPD  FCRVFL   DELTAH   THRCMD
DISPLAYS:   397926.90   64     6  64    3305   -  516   -  2  2     24      3058    99.43     299   -  44    9999

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              COLTIME       COLX       COLY       COLZ       OMEGAX      OMEGAY      OMEGAZ
ATTITUDE:   397927.28                  0.1025     0.1538    -  1.3376   -  0.1762    0.2298     ACTUAL
            397927.28   -  0.2997     30.4101    0.6042    -  2.4554   -  0.0219    1.1096     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
ACC	357527.275	+ [illegible]	- 1525637.5	+ 789377.9	+ 231347.9	+ 61.67	+ 47.48	+ 45.82	+ 948.31
ENV	357527.275	+ 62[illegible].21	- 1525977.4	+ 789366.9	+ 231401.5	+ 61.85	+ 47.21	+ 46.00	+ 1014.40
ERR	[illegible]	11.5[illegible]	72.4	11.0	53.5	0.17	0.26	0.18	66.09
ACC	IN FEETS	+1[illegible].645	- [illegible]18894.2	+ 2585822.8	+ 759015.7	+ 202.34	+ 155.79	+ 150.33	+ 3111.26
ENV	AND FEETS	+1[illegible]4.11	- [illegible]18532.0	+ 2585786.4	+ 759191.5	+ 202.92	+ 154.90	+ 150.94	+ 3328.11

PIPTIME: 3.479272[illegible]1000 05

P64: APPROACH

TPIP: 2.07927280000 05

	R AND RG				V AND VG			
1.72[illegible]	-1.70[illegible]	02	-2.0131874999[illegible]	03	-2.64832573480	01	1.44071578979	00	8.63413810729	01
[illegible]	-[illegible]	00	-4.0613740999[illegible]	03	-2.64205932617	01	-2.08[illegible]7[illegible]858	00	9.07672882080	01

	LAND				TTF		CG		AFC	
[illegible]	-1.253745[illegible]	02	1.0448745[illegible]	03	-1.21[illegible]535546E7	02	0.99 -0.00 0.00		2.5995[illegible]06099	00
							[illegible] -0.59 -0.03			
	TRANSIENT [illegible].165						-0.00 0.03 0.99			

	LNFC				UNWC			
[illegible]	0.79[illegible]	-[illegible]	-4.97886440345	-01	-2.26834193054	-01	3.61372014295	-02	9.73262735799	-01

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3[illegible]7923.63	85[illegible]4.24	- 12	1764	2.6394	2.5995	1781	1764	- 17	0	- 17

	TIME	MODE	VERB	NOUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]79[illegible].30	6[illegible]	[illegible]	[illegible]4	3111	- 873	- 2 1	23	2963	99 43	290	- 43	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]9792.[illegible]	- 4.[illegible]64	30.5200	2.6637	- 2.4553	- 0.0538	0.7278	ACTUAL
	[illegible]9792.[illegible]	- 4.[illegible]69	30.4101	2.3620	- 0.0109	- 0.0549	0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39792.7	+ 8485.76	- 1.25573.9	+ 789469.9	+ 231437.9	+ 59.35	+ 46.11	+ 44.65	+ 893.12
ENV	39792.79	+ 8[illegible]4.66	- 1.29649.1	+ 789459.9	+ 231492.4	+ 59.52	+ 45.87	+ 44.85	+ 961.94
ERR	0.[illegible]	114.96	7.1	10.0	54.4	0.17	0.23	0.20	68.82
AGC	IN POUNDS	+1,716.40	- 5018287.4	+ 2590124.6	+ 755311.0	+ 194.72	+ 151.30	+ 146.50	+ 2930.20
ENV	AND FEETS	+1896.85	- 5018533.9	+ 2590091.7	+ 759489.6	+ 195.28	+ 150.52	+ 147.17	+ 3156.00

FIFTIME: 3.97323280000 CS

P64: APPROACH

TPIP: 3.97929280000 05

	R AND RC				V AND VG		
0.75678 9999	0[illegible]	-2.7[illegible]9999	02	-2.84312499999 03	-2.52199172973 01	1.61137580871 00	8.36973190307 01
0.8874[illegible]	02	-5.99991 9999	00	-3.88249999999 03	-2.51594543457 01	-2.65911660058 00	8.81256103515 01

	LAND			TTF		CG			AFC	
0.75[illegible]74[illegible]	02	-1.22999[illegible]999	02	1.03999999999 03	-1.19120346679 02	0.99	-0.00	0.00	2.57304636761	00
						0.00	0.99	-0.03		
	TRANSIT	0.158				-0.00	0.03	0.99		

	UNFC				UNWC		
0.67259[illegible]7[illegible]7 - [illegible]	3.62197921[illegible]61	-02	-4.9602[illegible]543063	-01	-2.23648296385 -01	3.76002594359	-02	9.73944382402	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	FIFFSET	REG55
THROTTLE:	39793.64	8485.70	- 12	1743	2.6144	2.5730	1759	1743	- 16	0	- 16

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THPCMD
DISPLAYS:	39793.91	64	6 64	2930	- 830	- 1 59	22	2869	99 43	279	- 31	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39793.2	- 5.5550	30.7397	2.8894	0.0850	- 0.2286	- 0.0940	ACTUAL
	39793.2	- 4.[illegible]69	30.3662	2.3620	- 0.0054	- 0.1319	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3979[illegible]1.779	+ 8474.67	- 1529457.9	+ 789561.9	+ 231525.9	+ 57.04	+ 44.76	+ 43.46	+ 843.43
ENV	3979[illegible]1.7[illegible]	+ [illegible].23	- 1529532.4	+ 789550.3	+ 2315[illegible].9	+ 57.20	+ 44.52	+ 43.67	+ 912.05
ERR	[illegible]	114.[illegible]	74.4	11.6	54.9	0.16	0.24	0.20	68.62
AGC	IN POUNDS	+1[illegible]2.2[illegible]	- 5017306.8	+ 2590426.5	+ 759555.7	+ 187.15	+ 146.86	+ 142.60	+ 2767.18
ENV	AND FEETS	+1[illegible]1.82	- 5018151.0	+ 259[illegible]388.3	+ 759779.8	+ 187.68	+ 146.07	+ 143.27	+ 2992.32

PIPTIME: 0.97931280000 CS P64: APPROACH TPIP: 0.97931280000 05

	R AND RG			V AND VG		
1.72[illegible]6.4[illegible]	-[illegible]9.874[illegible]99[illegible]	-2.67837495999 03	-2.39646434783 01	1.75509452819 00	8.10545921325 01	
[illegible].74597.59[illegible]	-[illegible].7499[illegible]9[illegible]	-3.70809999999 03	-2.39070892333 01	-2.74848937988 00	8.54846954345 01	

	LAND		TTF	CG	AFC
1.7[illegible]	-1.2[illegible] 02	1.02712495999 02	-1.17175541992 02	0.99 -0.00 0.00	2.54253856837 00
				0.00 0.99 -0.04	
	TRANSIENT 0.145			-0.00 0.04 0.99	

	LNFC			UNWC	
8.0[illegible]76 -01	[illegible]37 -02	-4.94161748916 -02	-2.21324244756 -01	3.91866476870[illegible] -02	9.74412642936 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible]2.62	8474.67	- 30	1715	2.0194	0.5425	1759	1719	- 40	0	- 40

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3979[illegible]2.80	04	6 64	2767	- 769	- 1 57	21	2773	99 43	271	- 1	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979[illegible]	- [illegible] 42	30.1574	2.6586	- 0.0334	- 0.2282	0.2645	ACTUAL
	3979[illegible].29	- 4.[illegible]669	30.1464	2.3620	- 0.0219	- 0.1428	0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1529345.9	+ 7896499	+ 2316119	+ 54.78	+ 43.37	+ 42.40	+ 797.62
ENV	[illegible]	+ 8574.2	- 1529420.2	+ 7896380	+ 2316671	+ 54.94	+ 43.14	+ 42.59	+ 864.72
ERR	[illegible]	114.[illegible]	74.2	11.9	55.1	0.16	0.23	0.18	67.09
AGC	IN POUNDS	+1651.12	- 5017539.3	+ 2590715.2	+ 7598881.8	+ 179.73	+ 142.32	+ 139.12	+ 2616.87
ENV	AND FEETS	+1592.97	- 5017783.1	+ 2590575.9	+ 7600629	+ 180.26	+ 141.54	+ 139.74	+ 2837.02

PIPTIME: [illegible] CO [illegible] PEG: APPROACH TPIP: 3.07933280000 05

R AND RC V AND VG

1.73[illegible]	06	-2.6[illegible]37149	99	-2.51881249999	03	-2.27491378784	01	2.01163291531	00	7.84826278686	01
7.[illegible]	02	-6.46[illegible]	00	-3.54049999999	03	-2.26940155029	01	-2.52037048339	00	8.29200744628	01

LAND				TTF				CG			AFC	
1.73[illegible]	06	-1.18249999999	02	1.01824999999	03	-1.15200415039	02	0.99	-0.00	0.00	2.51163961365	00
								0.00	0.99	-0.04		
		TRANSIENT		0.226				-0.00	0.04	0.99		

UNFC								UNWC			
[illegible]	-01	3.12157[illegible]165	-02	-4.92986320797	-01	-2.19374311980	-01	4.06520010515	-02	9.74793478667	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]	[illegible]	- 12	1695	2.5794	2.5116	1711	1695	- 16	0	- 16

	TIME	MEIF	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]	64	6 64	2617	- 749	- 1 55	20	2681	99 43	263	11	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]	- 5.1965	29.7945	2.5817	0.1343	0.2678	0.1373	ACTUAL
	[illegible]	- 4[illegible]	29.9707	2.3181	0.0439	- 0.0878	- 0.1318	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 152[illegible] + 78[illegible]735.9	+ 231695.9	+ 52.60	+ 42.02	+ 41.35	+	755.12
ENV	3[illegible]	+ 8559.64	- 1525212.5 + 78[illegible]722.9	+ 231751.3	+ 52.77	+ 41.79	+ 41.54	+	819.71
ERR	[illegible]	11[illegible].01	72.5 13.0	55.3	0.16	0.23	0.18		64.58
AGC	IN POUNDS	+1861[illegible].44	- 501715[illegible] + 2550997.3	+ 760157.4	+ 172.60	+ 137.89	+ 135.68	+	2477.44
ENV	AND POUNDS	+1[illegible]870.5[illegible]	- 5017429.7 + 2550954.6	+ 760338.9	+ 173.13	+ 137.13	+ 136.30	+	2689.34

P64: APPROACH

PIPTIME: [illegible] TPIP: 3.979352F0000 05

	R AND RV			V AND VG	
1.7[illegible]	-2.61[illegible] 02	-2.36437499999 02	-2.15922832489 01	2.24559069885 00	7.59818553924 01
7.51[illegible]	-4.0[illegible] 02	-3.37724993999 03	-2.15393066406 01	-2.30827321542 00	8.04264068603 01

	LAND		TTF	CG			AFC
1.7[illegible]	-1.15[illegible]	1.00597499999 03	-1.13207739257 02	0.99 -0.00	0.00		2.48129246756 00
				0.01	0.[illegible]	-0.04	
	TRANSLEN 0.18			-0.00	0.04	0.99	

	LAFC			UNWC	
9.70110591149 -01	0.75741915946 -02	-4.52084569640 -01	-2.01779780238 -01	4.21189696310 -02	9.75084667951 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3[illegible]	8445.72	- 18	1672	2.5344	2.4812	1696	1672	- 24	0	- 24

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]936.90	64	6 04	2477	- 711	- 1.53	19	2592	99 42	256	20	9999

	CCUTIME	CIUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	3[illegible]937.28	- 5.11[illegible]	29.7839	3.1752	0.1395	0.1142	- 0.5879	ACTUAL
	3[illegible]937.28	- 4.[illegible]	29.5267	3.0982	0.0878	- 0.0998	- 0.1977	DESIRED

	TIME	MASS	KN			VN			ALTITUDE
AGC	[illegible]	+ 84[illegible]	- 1525137.9	+ 789817.9	+ 231777.9	+ 50.50	+ 40.70	+ 40.30	+ 712.81
ENV	3979[illegible]	+ 8545.1[illegible]	- 1525[illegible].1	+ 789835.2	+ 2318333.3	+ 50.45	+ 40.46	+ 40.49	+ 776.99
ERR	[illegible]	113.22	71.1	12.7	55.3	0.15	0.23	0.19	64.18
AGC	IN POUNDS	+1858.74	- 5016856.9	+ 2591266.4	+ 760426.5	+ 165.68	+ 133.54	+ 132.21	+ 2338.62
ENV	AND FEETS	+1883.60	- 5017090.3	+ 2591224.5	+ 760608.1	+ 166.20	+ 132.76	+ 132.84	+ 2549.20

PIPTIME: 3.[illegible] 05 P64: APPROUAD TPIP: 3.97937280000 05

R AND RG				V AND VG			
1.73560[illegible] 06	-2.56559[illegible] 02	-2.2148749[illegible] 03	-2.04820632934 01	2.44994163513 00	7.35251903533 01		
7.04374[illegible] 02	-4.49[illegible] 00	-3.2188749[illegible] 03	-2.04311370845 01	-2.11601257324 00	7.79762268066 01		

LAND		TTF	CG			AFC	
1.73[illegible] 06	-1.13459[illegible] 02	1.00049999999 03	-1.11207739257 02	0.99 -0.00 0.00		2.45327595621 00	
				[illegible] 0.99 -0.04			
TRANSIENT 0.213				-0.00 0.04 0.99			
UNFC			UNWC				
[illegible] 70010515+03 -01	2.41453[illegible] -02	-4.908480 3104 -01	-2.15846373034 -01	4.34622787332 -02	9.75459570446 -01		

	TIME	MASS	FWLIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979380.51	8431.[illegible]	- 12	1650	2.5044	2.4532	1667	1650	- 17	0	- 17

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3979380.78	64	6 64	2335	- 674	- 1 51	18	2505	99 42	246	20	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979380.28	- 5.0646	29.8278	1.6369	0.0771	- 0.2953	- 0.3674	ACTUAL
	3979380.23	- 4.0[illegible]	29.7729	1.8127	0.1318	- 0.0329	- 0.2526	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397939.79	+ 8417.90	- 1529041.9	+ 789501.9	+ 231857.9	+ 48.46	+ 39.38	+ 39.22	+ 677.31
ENV	397939.279	+ 8530.85	- 1529109.8	+ 789884.8	+ 231913.2	+ 48.62	+ 39.15	+ 39.40	+ 736.46
ERR	0.[illegible]	11[illegible].95	67.8	17.1	55.2	0.15	0.22	0.17	59.15
AGC	IN FEETS	+16[illegible].11	- 5016541.9	+ 2591541.9	+ 760688.9	+ 159.00	+ 129.21	+ 128.69	+ 2222.15
ENV	AND FEETS	+16[illegible]7.12	- 5016764.7	+ 2591485.7	+ 760870.2	+ 159.52	+ 128.46	+ 129.28	+ 2416.23

PIPTIME: 3.97[illegible] 05 P64: APPROACH PIPA: 3.979392E0000 05

	R AND G			V AND VG	
1.74656 13749 06	-2.51[illegible]3749 [illegible]59 02	-2.17024999999 03	-1.94368835263 01	2.62713432312 00	7.10925102233 01
6.74459 [illegible] 02	-4.12[illegible] [illegible]999 00	-3.06549993999 03	-1.03881988525 01	-1.94015502929 00	7.55500793457 01

	LAND			TTF		CG			AFC
1.7[illegible]	-1.11124[illegible]	02	9.91624999999 02	-1.09219428710	02	0.99	-0.00	0.00	2.42276582866 00
						0.00	0.99	-0.04	
	TRANSIENT [illegible].19[illegible]					-0.00	0.04	0.99	

	LAPC					UNWC		
6.71[illegible]	[illegible]17[illegible]37[illegible]	-02	-4.89884263213	-01	-2.15458707195	-01	4.48007623460	-02	9.75484719094 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397940.61	8417.[illegible]	- 14	1627	2.4654	2.4227	1646	1627	- 19	0	- 19

	TIME	MODE	V-RANGUN	H	HDOT	TTF	RANGE	ARVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397940.8[illegible]	64	6 64	2222	- 639	- 1 49	17	2419	99 42	239	45	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUD :	397941.28	- 4.[illegible]10	29.8498	1.7028	- 0.0304	- 0.2728	0.2506	ACTUAL
	397941.2[illegible]	- 4.[illegible]62	29.7729	1.4282	0.0494	- 0.0769	- 0.1428	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	397941.27	+ 8404.02	- 1528549.9 + 789379.9 + 2315350.5	+ 46.47 + 38.06 + 38.10	+ 642.18
ENV	397941.27	+ 8516.72	- 1525014.6 + 789361.8 + 2316000.9	+ 46.62 + 37.86 + 38.30	+ 698.03
ERR	0.00	11.68	64.6 18.1 54.5	0.15 0.20 0.19	55.84
AGC	IN POUNDS	+18527.52	- 5016240.1 + 2591797.9 + 760944.8	+ 152.47 + 124.89 + 125.03	+ 2106.91
ENV	AND FEETS	+18775.97	- 5016452.2 + 2591738.4 + 761125.1	+ 152.97 + 124.22 + 125.67	+ 2290.13

PIPTIME: [illegible] 05 PGA: APPROACH TPIP: 3.97941280000 05

	R AND RC			V AND VG		
	1.73653[illegible] 06	-2.46562[illegible] 02	-1.93045999999 03	-1.84334278106 01	2.75630950927 00	6.86583042144 01
	[illegible] 01	-[illegible]74995[illegible] 00	-2.91687499999 03	-1.83868408203 01	-1.80168151855 00	7.31208801269 01

	LAND		TTF	CG	AFC
	1.73589187499 06	-1.02749999999 02	5.82874999999 02	-1.07247592773 02	0.99 -0.00 0.00 / 0.00 0.99 -0.04 / -0.00 0.04 0.99	2.39291694015 00

TRANSIENT 0.106

	UNFC		UNWC
	6.72658246774 -01	1.85839393053 -02	-4.88013595847 -01 -2.14746989816 -01	4.61480171408 -02	5.75579849134 -01

	TIME	MASS	WEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397942.62	8404.02	- 18	1604	2.4494	2.3929	1628	1604	- 24	0	- 24

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPO	FPRVEL	DELTAH	THRCMD
DISPLAYS:	397942.89	64	6 64	2107	- 606	- 1.47	16	2334	97.42	231	29	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397943.28	- 46.7576	30.1135	1.3073	0.0413	0.1862	0.0112	ACTUAL
	397943.28	- 46.362	29.7290	1.2084	0.0659	- 0.1318	- 0.1318	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397943.279	+ 8502.67	- 1528855.0	+ 7900355.9	+ 2320069.9	+ 44.54	+ 36.77	+ 36.98	+ 607.12
ENV	397943.279	+ 8502.73	- 1528923.3	+ 7900366.3	+ 2320066.4	+ 44.67	+ 36.57	+ 37.18	+ 661.60
ERR	[illegible]	11.05	63.3	19.6	56.4	0.13	0.20	0.19	54.48
AGC	IN POUNDS	+10498.1[illegible]	- 5015544.8	+ 2552047.2	+ 761187.6	+ 146.12	+ 120.66	+ 121.35	+ 1991.87
ENV	AND FEET	+18745.1[illegible]	- 5116152.7	+ 2591982.6	+ 761372.8	+ 146.58	+ 119.98	+ 121.98	+ 2170.62

PIPTIME: 3.97943280000 05 P64: APPROACH TPIP: 3.97943280000 05

R AND RG				V AND VG	
1.7146[illegible]31243 06	-1.4[illegible]3749 [illegible] 02	-1.79556249999 03	-1.74710273742 01	2.86026000976 00	6.62652015686 01
6.04874[illegible] 02	-1.62459[illegible] 00	-2.77312459059 0[illegible]	-1.74266815135 01	-1.68075561523 00	7.07324961689 01

LAND		TTF	CG		AFC
1.7358[illegible] 7[illegible] [illegible]	-1.0163749 [illegible] 02	9.73999999999 02	-1.05280834960 02	0.99 -0.00 0.00	2.36534746363 00
				0.00 0.99 -0.04	
TRANSIENT 0.18				-0.00 0.04 0.99	

LNFC				UNWC	
[illegible] -01	1.64542155441 -02	-4.85826555899 -01	-2.13635416395 -01	4.73660237493 -02	9.75764504712 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397944.63	8500.60	- 18	1583	2.4294	2.3653	1608	1583	- 25	0	- 25

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	7944.89	64	6 64	1992	- 574	- 1 45	15	2249	95 42	223	9	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397945.28	- 4.7121	29.5092	0.6262	0.1677	0.3377	0.1257	ACTUAL
	397945.23	- 4.[illegible]	29.5092	1.0[illegible]27	0.0823	- 0.1428	- 0.0878	DESIRED

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	TIME	MASS	RA			VN			ALTITUDE
AGC	3979[illegible].279	+ 6377.30	- 1526771.0	+ 790127.9	+ 2320839.9	+ 42.66	+ 35.48	+ 35.87	+ 572.62
ENV	3979[illegible].279	+ 4[illegible]	- 1528835.8	+ 790108.1	+ 2321390.6	+ 42.80	+ 35.29	+ 36.06	+ 627.07
ERR	0.00	11[illegible].56	62.8	19.8	55.6	0.14	0.19	0.18	54.44
AGC	IN POUNDS	+184[illegible].74	- 5015656.1	+ 2592283.4	761430.4	+ 139.96	+ 116.41	+ 117.70	+ 1878.69
ENV	AND FEETS	+18714.7[illegible]	- 5015865.7	+ 2592218.4	+ 761613.1	+ 140.43	+ 115.79	+ 118.31	+ 2057.32

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FIPTIME: 3.[illegible] 05 PEG: APPROUAD TPIP: 3.97945280000 05

	P AND RG			V AND VG	
1.73[illegible] 06	-2.6512499 9 02	-1.065374999999 03	-1.655678749908 01	2.963352203 36 00	6.39009952545 01
5.7[illegible] 02	-2.374999999999 00	-2.633999999999 03	-1.651420599326 01	-1.55334472656 00	6.83731079101 01

	LAND		TTF	CG			AFC
1.735[illegible]187499 06	-1.0399999999 02	5.651249999999 02	-1.033315190429 02	0.99 -0.00 0.00	0.00 0.99 -0.04	-0.00 0.04 0.99	2.339223550695 00

TRANSIENT 0.231

	UNFC				UNWC		
9.75[illegible] -01	1.406195[illegible]1438 -02	-4.829997503933 -01	-2.121736814695 -01	4.858752889881 -02	5.76023350605 -01		

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	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible]	[illegible]	- 14	1562	2.3944	2.3392	1582	1563	- 19	0	- 19

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3979[illegible]	64	6 64	1879	- 544	- 1 43	15	2167	93 42	216	- 3	9999

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	GDLTIME	GDLX	GDLY	GDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979[illegible]	- 4.[illegible]	29.2456	1.3842	0.0439	0.1736	- 0.2823	ACTUAL
	3979[illegible]	- 4.[illegible]	29.2895	0.9887	0.1098	- 0.1428	- 0.1428	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397947.279	+ 2364.07	- 1528687.9	+ 790195.9	+ 232153.9	+ 40.85	+ 34.22	+ 34.76	+ 538.93
ENV	397947.279	+ [illegible]475.35	- 1528752.0	+ 790177.5	+ 232210.7	+ 41.00	+ 34.03	+ 34.95	+ 594.32
ERR	0.	111.29	44.0	18.4	56.7	0.14	0.19	0.18	55.38
AGC	IF FOUND	+1041.43	- 5015280.5	+ 2592506.5	+ 761660.1	+ 134.05	+ 112.29	+ 114.06	+ 1768.16
ENV	[illegible] FOUND	+1684.77	- 5[illegible]1559.7	+ 2592446.0	+ 761846.2	+ 134.52	+ 111.66	+ 114.68	+ 1549.88

P64: APPROACH

PIPTIME: 3.97947[illegible] CS TPIP: 3.97947280000 05

	R AND RG					V AND VG					
1.7264[illegible]	06	-2.2714[illegible]	02	-1.53987459999	03	-1.56914224161	01	3.63750038146	00	6.15981578826	01
5.7124[illegible]	02	-1.1245[illegible]		-2.49962499999	03	-1.56509399414	01	-1.45072937011	00	6.60739898681	01
	LAND				TTF		CG			AFC	
1.7[illegible]	00	-1.01624[illegible]	02	9.56249999999	02	-1.01337392578	02	0.99 -0.00	0.00	2.31556361541	00
								0.00 0.99	-0.05		
	TRANSIENT 0.224							-0.00 0.05	0.99		
	UNFC						UNWC				
[illegible]	-01	1.21716[illegible]4444	-02	-4.80006810345	-01	-2.10594458944	-01	4.98101676806	-02	9.76303703289	-01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397946.6[illegible]	2364.07	- 8	1545	2.3544	2.3155	1557	1545	- 12	0	- 12

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	AHVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397946.[illegible]	64	6 64	1768	- 916	- 1 41	14	2087	51 41	209	- 12	9999

	CLOTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATITUDE:	397946.2[illegible]	- 0.4454	29.1467	1.0980	- 0.0617	- 0.6413	- 0.4233	ACTUAL
	397946.[illegible]	- 0.5562	29.0658	0.0129	0.1208	- 0.1647	- 0.0878	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	[illegible]	+ 8351.3[illegible]	- 1528805.9 + 790261.9 + 232221.9	+ 39.12 + 32.09 + 33.69	+ 506.37
ENV	39794[illegible]	+ 8461.95	- 1528671.8 + 790264.3 + 232279.5	+ 39.26 + 32.79 + 33.88	+ 563.29
ERR	[illegible]	11.6[illegible]	65.8 17.6 57.5	0.14 0.19 0.18	56.92
AGC	IN POUNDS	+10411.2[illegible]	- 5018111.5 + 2592723.0 + 761883.2	+ 128.34 + 108.24 + 110.54	+ 1661.33
ENV	AND FEETS	+10655.2[illegible]	- 5015327.4 + 2592665.2 + 762072.0	+ 128.81 + 107.60 + 111.16	+ 1848.09

PIPTIME: 3.97943[illegible]000 05 P64: APPROACH TPIP: 3.97949280000 05

R AND RC				V AND VG	
1.73[illegible]9763749 06	-2.229574[illegible]999 02	-1.41893749999 03	-1.48684024810 01	3.12170982360 00	5.93583106994 01
5.4[illegible]74993[illegible]99 [illegible]	-2.0[illegible]74993[illegible]9999 00	-2.36974999999 03	-1.48296356201 01	-1.33323669433 00	6.3838956[illegible]7402 01

LAND		TTF	CG	AFC
1.7[illegible]5918749[illegible] 06	-9.524995[illegible]9999 01	9.47374999999 02	-9.93328027343 01	0.99 -0.00 0.00 2.29361932724 00
				0.00 0.99 -0.05
TRANSIENT 0.235				-0.00 0.05 0.99

UNFC				UNWC	
[illegible].787[illegible]487 -03	9.762439[illegible]603 -03	-4.77104858221 -01	-2.08755850696 -01	5.10292079479 -02	9.76635558812 -01

	TIME	MASS	FWEIGHT	FCOLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39795[illegible].62	8351.3[illegible]	- 8	1528	2.3244	2.2936	1541	1528	- 12	0	- 12

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THROMO
DISPLAYS:	39795[illegible].8[illegible]	64	6 64	1663	- 488	- 1 39	13	2010	89 41	201	- 18	9999

	CDLTIM	CDLX	CDLY	CDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39795[illegible].2[illegible]	- 4.3[illegible]86	28.9160	0.6262	0.0971	- 0.1775	0.3057	ACTUAL
	39795[illegible].2[illegible]	- [illegible].4165	28.8500	0.7690	0.0384	- 0.1428	- 0.1647	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	397951.279	+ [illegible]	- 1526[illegible].7.5	+ 790325.9	+ 232287.9	+ 37.38	+ 31.74	+ 32.62	+ 475.12
ENV	397951.279	+ [illegible].64	- 1526595.0	+ 790408.7	+ 232346.2	+ 37.52	+ 31.56	+ 32.79	+ 533.92
ERR	0.00	11.01	67.0	17.2	58.2	0.14	0.17	0.17	58.80
AGC	IN PCUNDS	+1[illegible].18	- 5014[illegible]55.6	+ 2592933.0	+ 762099.7	+ 122.65	+ 104.14	+ 107.04	+ 1558.80
ENV	ABE PCUTS	+18625.8[illegible]	- 5015[illegible]75.5	+ 2592976.3	+ 762290.8	+ 123.12	+ 103.57	+ 107.60	+ 1751.72

PIPTIME: 3.97951280000 05 P64: APPROUAD TPIP: 3.97951280000 05

R AND RG				V AND VG	
1.73[illegible]74997 06	-[illegible].9 02	-1.30243749999 03	-1.40543460845 01	3.21464538574 00	5.71136951446 01
4.72[illegible]99 0	-2.62[illegible]99 00	-2.24437499999 03	-1.40174865722 01	-1.19934082031 00	6.16001129150 01

LAND		TTF	CG		AFC
1.72[illegible]7699 06	-9.68745[illegible] 01	9.38495999999 02	-9.73613427734 01	0.99 -0.00 0.00	2.27061565965 00
				0.00 0.99 -0.05	
	TRANSIENT 0.281			-0.00 0.05 0.99	

	LAPC			UNWC	
[illegible] -01	[illegible] -02	-4.73613142457 -01	-2.06917660514 -01	5.21261599055 -02	9.76968753451 -01

	TIME	MASS	PWEIGHT	PCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THRTTLE:	[illegible]97952.61	[illegible].05	- 18	1510	2.3154	2.2706	1535	1510	- 24	0	- 24

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3.7952.8[illegible]	6[illegible]	6 64	1559	- 461	- 1 37	12	1932	87 41	194	- 21	9999

	CLUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397953.28	- 4.2846	28.4985	0.5493	0.1323	0.0420	- 0.0412	ACTUAL
	397953.25	- 4.4165	28.6303	0.5493	0.0769	- 0.1757	- 0.1647	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+ 8[illegible]	- 1.28451.9	+ 790387.9	+ 232351.9	+ 35.68	+ 30.56	+ 31.55	+ 445.24
ENV	3.79553.279	+ 8435.50	- 1.28521.6	+ 790371.6	+ 232410.7	+ 35.83	+ 30.38	+ 31.73	+ 506.18
ERR	[illegible]	109.67	69.6	17.3	58.7	0.14	0.17	0.17	60.93
ACC	IN PCUNDS	+13355.13	- 5014606.2	+ 2593136.4	+ 762309.7	+ 117.09	+ 100.28	+ 103.53	+ 1460.79
ENV	AND FEETS	+18596.91	- 5014824.8	+ 2593079.6	+ 762502.5	+ 117.57	+ 99.69	+ 104.11	+ 1660.71

FIRTIME: 3.97953280000 05 P64: APPROACH TPIP: 3.97953280000 05

P AND PC				V AND VG	
1.73632659999 06	-2.11124[illegible]999 02	-1.19037499999 03	-1.32414340972 01	3.25789451999 00	5.49365043640 01
4.43995[illegible]	-2.27499999999 00	-2.12337499999 03	-1.32064819335 01	-1.11160278320 00	5.94264984130 01

LAND			TTF		CG			AFC
1.73[illegible] 06	-5.44999999999 01	5.29624999999 02	-9.53662695412 01	0.99	-0.00	0.00		2.24712770432 00
				0.00	0.99	-0.05		
TRANSIENT 0.219				-0.00	0.05	0.99		

UNFC				UNWC		
6.02407341007 -01	5.67689993143 -03	-4.70646456174 -01	-2.05103100866 -01	5.32291380820 -02	5.77291858593 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3.97954.62	8[illegible]5.83	- 14	1492	2.3144	2.2471	1513	1492	- 20	0	- 20

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3.97954.8[illegible]	64	6 64	1461	- 435	- 1 35	12	1857	85 40	188	- 23	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3.79954.2[illegible]	- 4.01[illegible]57	28.0700	0.2087	- 0.0226	0.4957	- 0.6075	ACTUAL
	3.79954.2[illegible]	- 4.0415	28.4106	0.3735	0.0923	- 0.1428	- 0.0988	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]13.12	- 152837.9	+ 79044.5.9	+ 232413.9	+ 34.06	+ 29.36	+ 30.50	+ 416.99
ENV	397955.27	+ 8422.52	- 152451.6	+ 79043.2	+ 232473.2	+ 34.20	+ 29.21	+ 30.67	+ 480.06
ERR	0.00	1[illegible].39	71.6	15.7	59.2	0.13	0.17	0.17	63.06
AGC	IN POUNDS	+[illegible]227.11	- 5014370.0	+ 2593326.7	+ 762513.1	+ 111.77	+ 96.42	+ 100.06	+ 1368.11
ENV	AND FEETS	+[illegible]855.29	- 5014605.0	+ 2593275.2	+ 762707.3	+ 112.22	+ 95.83	+ 100.62	+ 1575.01

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PIPTIME: 3.979552[illegible] 05 P64: APPROACH TPIP: 3.97955280000 05

R AND G V AND VG

1.7[illegible]4999	[illegible]	-[illegible]6249[illegible]99	02	-1.08262499999	03	-1.24931812286	01	3.30214500427	00	5.27984619140	01
4.1[illegible]745[illegible]	02	-2.24[illegible]	00	-2.00662499999	03	-1.24599456787	01	-1.01623525156	00	5.72921752929	01

LAND TTF CG AFC

1.7[illegible]-745[illegible]	[illegible]	-4.21249[illegible]99	01	9.27(74999999	02	-9.33713769531	01	0.99 -0.00 0.00		2.22571892663	00
								0.00 0.99 -0.05			
		TRANSIENT .249						-0.00 0.05 0.99			

LNFC UNWC

[illegible]410[illegible]74	-01	3.0[illegible]7311[illegible]5254	-03	-4.67284700698	-01	-2.03380079867	-01	5.43242110090	-02	9.77591644405	-01

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397956.63	8313.12	- 10	1478	2.2654	2.2257	1491	1476	- 15	0	- 15

****

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397956.89	66	6 54	1368	- 410	- 1 33	11	1783	83 40	181	- 23	9999

****

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]7957.2[illegible]	- 3.-77[illegible]	26.0041	0.6372	0.0282	- 0.6099	0.2404	ACTUAL
	[illegible]7957.2[illegible]	- 4.4165	2[illegible].1909	0.3295	0.1298	- 0.1318	- 0.1647	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397957.279	+ 8301.94	- 1528011.9	+ 7905019	+ 2324730.9	+ 32.52	+ 28.22	+ 29.49	+ 390.06
ENV	397957.279	+ 3409.6	- 1528384.7	+ 7904875	+ 2325233.5	+ 32.66	+ 28.06	+ 29.65	+ 455.36
ERR	0.00	1[illegible]0.74	72.7		14.4	5.5	0.13	0.15	0.15	65.30
AGC	IN PCUNDS	+1[illegible]3.25	- 5014146.9	+ 2593510.4	+ 762709.9	+ 106.70	+ 92.59	+ 96.77	+ 1279.73
ENV	AND FLOTS	+18539.95	- 5014285.6	+ 2593463.1	+ 762905.2	+ 107.15	+ 92.07	+ 97.28	+ 1493.99

FIPTIME: 3.97957280000 05 P64: APPROLAD TPIP: 3.97957280000 05

	R AND C			V AND VG	
1.736281874[illegible] 06	-1.9[illegible]374[illegible] 02	-9.79062499999 02	-1.17996215820 01	3.36980819702 00	5.07327556610 01
3.[illegible] 02	-1.[illegible] 00	-1.89424999999 03	-1.17679595647 01	-8.96072387695 -01	5.52318572998 01

	LAND		TTF		CG		AFC
1.725[illegible]7499 06	-8.9749999[illegible] 01	9.11999999999 02	-9.13448925781 01	0.99 -0.00 0.00			2.20698073643 00
				0.00 0.99 -0.05			
	TRANSIENT .269			-0.00 0.05 0.99			
	UNFC			UNWC			
3.85[illegible] -01	9.33429[illegible]264 -05	-4.64031078942 -01	-2.01680508990 -01	5.54255151827 -02			5.77881886814 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFRSET	REG55
THROTTLE:	397958.63	8300.94	0	1461	2.2244	2.2069	1463	1461	- 1	0	- 1

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397958.90	64	6 64	1280	- 387	- 1 31	10	1712	81 40	174	- 24	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	97959.28	- 3.0001	28.0520	0.1867	0.1558	- 0.7377	0.4573	ACTUAL
	97956.28	- 4.5272	28.0151	0.1198	0.1483	- 0.0878	- 0.1538	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	397959.[illegible]	+ 428[illegible].77	- 1528245.9	+ 790557.9	+ 232529.9	+ 31.00	+ 27.07	+ 28.41	+ 364.49
ENV	397959.279	+ 8396.71	- 1528320.9	+ 790542.5	+ 232591.7	+ 31.13	+ 26.92	+ 28.58	+ 432.05
ERR	0.00	10[illegible].13	74.9	15.4	61.7	0.13	0.14	0.17	67.55
AGC	IN FEETS	+18273.44	- 5013930.4	+ 2593694.2	+ 762853.7	+ 101.72	+ 89.82	+ 93.21	+ 1195.86
ENV	AND FEETS	+18511.82	- 5 14176.4	+ 2593643.5	+ 763096.1	+ 102.15	+ 88.33	+ 93.77	+ 1417.51

PIPTIME: 3.97959[illegible] C5 P64: APPROVAL TPIP: 3.07959280000 05

	R AND G			V AND VG	
1.7[illegible]256[illegible]7499[illegible] 06	-1.[illegible]018749[illegible]999 02	-8.79687499999 02	-1.11332893371 01	3.36079597473 00	4.86434936523 01
[illegible]8762[illegible]999[illegible]	-1.87499[illegible]999 00	-1.78587499999 03	-1.11030578613 01	-8.44955444335 -01	5.31436920166 01

	LAND		TTF	CG	AFC
1.735[illegible]1 74[illegible] 00	-3.73749999999 01	5.03124999999 02	-8.93613964843 01	0.99 -0.00 0.00 0.00 0.00 -0.05 -0.00 0.05 0.99	2.18715984374 00
TRANSIENT 0.291					
	UNFC			UNNC	
[illegible]8[illegible]2746[illegible]59 -01	-0.91660[illegible]4445 -04	-4.59601841083 -01	-1.99957439557 -01	5.63982521829 -02	9.78180075198 -01

	TIME	MASS	FREIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	7960.62	[illegible].77	- 16	1446	2.2195	2.1871	1488	1446	- 22	0	- 22

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THROMO
DISPLAYS:	397960.90	64	6 04	1196	- 365	- 1 29	10	1641	79 40	168	- 24	9999

	CDUTIME	CDUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	397961.28	- 3.[illegible]	28.0810	- 0.4833	0.0225	0.2594	0.2149	ACTUAL
	397961.0	- 4.[illegible]67	27.9272	- 0.0659	0.0384	- 0.2416	- 0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3[illegible]7261.[illegible]79	+ 8276.[illegible]	- 1528183.9	+ 790609.9	+ 2325E5.9	+ 29.47	+ 25.93	+ 27.34	+ 340.49
ENV	3[illegible]7261.[illegible]79	+ 8296.16	- 152826[illegible].2	+ 790595.2	+ 232647.7	+ 29.59	+ 25.78	+ 27.51	+ 410.12
ERR	[illegible].10	1[illegible]7.57	76.2	14.7	61.7	0.11	0.14	0.16	69.62
AGC	IN POUNDS	+18246.66	- 5013727.0	+ 2593864.8	+ 763077.4	+ 96.71	+ 85.07	+ 89.72	+ 1117.12
ENV	AND FEETS	+184[illegible]3.72	- 5013977.2	+ 2593816.4	+ 763280.1	+ 97.10	+ 84.60	+ 90.26	+ 1345.54

PIPTIME: [illegible]0.97[illegible]12[illegible]9 P64: APPROACH TPIP: 3.97961280000 05

	R AND RG			V AND VG	
1.73[illegible]7455 CA	-1.[illegible]34[illegible]74[illegible] 02	-7.8445999999 02	-1.04541301727 01	3.36508750915 00	4.65694427490 01
[illegible]3.7[illegible]95999 02	-1.6245995[illegible] 00	-1.68174959959 03	-1.04255676269 01	-7.73620605468 -01	5.10719299316 01

	LAND		TTF	CG		AFC
1.73[illegible]187450 06	-8.4[illegible] 01	8.54245999999 02	-8.74014208984 01	0.99 -0.00 0.00		2.16469401493 00
				0.00 0.99 -0.05		
	TRANSIENT 0.3C9			-0.00 0.05 0.99		

	UNFC			UNWC	
0.9047[illegible]1871[illegible] -01	-2.55[illegible]276 -03	-4.55032522859 -01	-1.98374772634 -01	5.73760880850 -02	5.78445417025 -01

	TIME	MASS	WEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REG55
THROTTLE:	3[illegible]7962.63	8276.63	- 20	1429	2.2294	2.1646	1456	1429	- 27	0	- 27

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]7962.89	64	6 64	1117	- 342	- 1 27	9	1569	77 40	160	- 23	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]7962.68	- 3.7873	27.4987	- 0.0938	- 0.0858	0.0012	- 0.7629	ACTUAL
	3[illegible]7962.68	- 4.1067	27.5317	- 0.0659	0.0549	- 0.2087	- 0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	397963.279	+ 8264.50	- 1528125.9	+ 790659.9	+ 232639.9	+ 28.02	+ 24.81	+ 26.32	+ 319.31
ENV	397963.279	+ 8371.62	- 1528020.5	+ 790645.7	+ 232701.7	+ 28.15	+ 24.69	+ 26.46	+ 389.51
ERR	0.[illegible]	107.11	76.5	14.2	61.7	0.12	0.12	0.14	70.20
AGC	IN FEETS	+1121[illegible].92	- 5013536.7	+ 2594028.8	+ 763254.5	+ 91.95	+ 81.42	+ 86.36	+ 1047.61
ENV	ANL FEETS	+1[illegible]456.07	- 5012787.7	+ 2593982.0	+ 763457.2	+ 92.36	+ 81.01	+ 86.83	+ 1277.93

PIPTIME: 3.97963280000 05 PO4: APPROACH TPIP: 3.97963280000 05

R AND G			V AND G		
1.7[illegible]211 4[illegible] 04	-1.7676 [illegible] 02	-6.93374999999 02	-9.82155799865 00	3.37123870849 00	4.45721626281 01
3.1862455 [illegible] 02	-1.45[illegible] 00	-1.58174999999 03	-9.79461669921 00	-6.99615478515 -01	4.90772247314 01

LAND			TTF	CG			AFC
6.735851 7494 04	-6.26249 [illegible] 99 01	8.85374999999 02	-8.54133C56640 01	0.99	-0.00	0.00	2.14264029636 00
				0.00	0.99	-0.05	
TRANSIENT 0.263				-0.00	0.05	0.99	

UNFC				UNWC	
6.92[illegible]727+16[illegible] -01	-4.2716.197467 -03	-4.51230382655 -01	-1.97895836776 -01	5.82333831846 -02	9.78491753092 -01

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397964.62	820+.50	- 2	1413	2.1755	2.1426	1417	1413	- 4	0	- 4

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	397964.89	64	6 64	1048	- 322	- 1 25	9	1501	75 39	154	- 8	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397965.23	- 3.7353	26.8286	- 0.0878	0.0490	- 0.0387	- 0.2945	ACTUAL
	397965.28	- 4.1047	27.3120	- 0.1098	0.0659	- 0.2087	- 0.1098	DESIRED

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          TIME      |     MASS      |     RN                |                   VN                  |   ALTITUDE
AGC   3979[illegible]9.279 | + [illegible]2.89 | - 1.28071.9 + 790707.9 + 232691.9 | + 26.64 + 23.73 + 25.28 | + 300.74
ENV   3979[illegible]9.279 | + [illegible]359.31 | - 1.28147.5 + 790694.0 + 232753.6 | + 26.76 + 23.60 + 25.43 | + 370.12
ERR       0.00    |   106.41      |     75.5      13.9     61.6 |   0.12    0.12    0.14 |   69.37

AGC   IN POUNDS   +1[illegible]194.[illegible] | - 501[illegible]59.5 + 2594186.3 + 763425.1 | + 87.41 + 77.85 + 82.96 | + 986.71
ENV   MN FEETS    +1[illegible]342.93 | - 501360[illegible] + 2594140.5 + 763627.6 | + 87.81 + 77.46 + 83.44 | + 1214.32

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      FIPTIME:      3.979[illegible]280000 05          PE4:  APPROUAD                    TPIP:      3.979[illegible]280000 05
                                          ||||||||||||||

                R AND RC                                          V AND VG
1.73619274999 04  -1.70[illegible]4499[illegible] 02  -6.06187499999 02  -9.23914909362 00  3.34458351135 00  4.26144123077 01
[illegible]1.4499999999 02  -1.4599999999999 00  -1.48549999999 03  -9.21401577539 00  -6.57653808593 -01  4.71202850341 01

                LAND                                  TTF                        CG                          AFC
1.7[illegible]1.7499 06  -8.0249999999999 01  8.7649999993999 02  -8.34133056640 01  0.99 -0.00 0.00  2.12026759982 00
                                                                                     0.00  0.99 -0.06
                TRANSIENT  0.244                                                    -0.00  0.06  0.99

                UNFC                                                              UNWC
9.94[illegible]1834 -01  -5.06791[illegible]9354 -03  -4.47488894897[illegible] -01  -1.98494561330 -01  5.92065573464 -02  9.78312063039 -01

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          TIME      MASS      FWEIGHT   FCOLD     AF        AFC       FP        FC        PIF       PIFPSET   REG55
THROTTLE: 3979[illegible]6.62  252.85  -  12   1396    2.1495    2.1202    1413      1396   -  17        0   -  17

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          TIME      MODE  VERBNOUN   F      FDCT      TTF       RANGE     ABVEL     TTF LPD   FCRVEL    DELTAH    THRCMD
DISPLAYS: 3979[illegible]6.85  64    6  64   987  -  303  - 1 23      8      1434      73 38      147       6      9999

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          COLTIME       COLX        COLY        COLZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE: 3979[illegible]7.28  -  3.[illegible]  27.1691  -  0.2416   0.0669  - 0.2599   0.7020   ACTUAL
          3979[illegible]7.28  -  4.[illegible]  27.0483  -  0.2856   0.0549  - 0.2197  - 0.0109   DESIRED

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	TIME	MASS	FN			VN			ALTITUDE
ACC	3979[illegible]0.279	+ [illegible]241.0[illegible]	- 1528015.9	+ 790755.9	+ 232739.9	+ 25.28	+ 22.67	+ 24.28	+ 284.49
ENV	3979[illegible]0.279	+ [illegible]347.0[illegible]	- 1528095.4	+ 790740.1	+ 232803.5	+ 25.39	+ 22.54	+ 24.43	+ 351.94
ERR	0.00[illegible]	1[illegible]5.77	75.4	15.9	67.5	0.11	0.12	0.14	67.44
ACC	IN FEET	+1[illegible]1[illegible]0.76	- 5013168.9	+ 2594343.8	+ 763582.6	+ 82.94	+ 74.38	+ 79.68	+ 933.39
ENV	AND FEET	+1[illegible]4[illegible]0.9[illegible]	- 5013436.5	+ 2594291.9	+ 763791.2	+ 83.32	+ 73.97	+ 80.16	+ 1154.66

PIPTIME: 3.979[illegible]72[illegible]000 05 P64: APPROACH TPIP: 3.97967280000 05

R AND RG			V AND VG		
1.72[illegible]17649999 06	-1.[illegible]374[illegible]969[illegible] 02	-5.22874999999 02	-8.65525736083 00	3.32894325256 00	4.07075405120 01
2.E3[illegible]9999999 02	-1.62[illegible]999[illegible]99 00	-1.39337499999 03	-8.63151550292 00	-6.02722167968 -01	4.52148375000 01

LAN			TTF	CG			AFC
1.73589187499 06	-7.78749999999 01	8.67749999999 02	-8.14133056640 01	0.99	-0.00	0.00	2.09484715014 00
				0.00	0.99	-0.06	
TRANSIENT 0.205				-0.00	0.06	0.99	

	UNFC			UNWC	
[illegible]9573448[illegible]06 -01	-6.505-7[illegible]6[illegible]67 -02	-4.44541803424 -01	-2.00007973880[illegible] -01	6.00605439253 -02	9.77937027206 -01

	TIME	MASS	FWEIGHT	FCCLC	AH	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible]8.62	8[illegible]41.0[illegible]	- 16	1377	2.1445	2.0548	1398	1377	- 21	0	- 21

	TIME	MODE	VERBNOUN	H	HDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	3979[illegible]3.9	4	6 64	933	- 283	- 1 21	8	136[illegible]	71 3[illegible]	141	16	9999

	CLUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979[illegible]5.2[illegible]	- 3.7123	26.8395	- 0.6681	- 0.0516	- 0.3730	- 0.0789	ACTUAL
	3979[illegible]5.2[illegible]	- 4.1[illegible]067	26.6967	- 0.2856	0.0604	- 0.0659	- 0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	[illegible]	- 1527973.9	+ 790799.9	+ 232787.9	+ 23.95	+ 21.59	+ 22.31	+ 269.87
ENV	397665.279	+ 8334.55	- 1528045.6	+ 790784.2	+ 232851.4	+ 24.07	+ 21.49	+ 22.43	+ 334.88
ERR	0.000	105.72	71.5	15.7	63.4	0.12	0.09	0.11	65.01
AGC	IN POUNDS	+10143.27	- 5013038.0	+ 2594488.1	+ 763740.1	+ 78.60	+ 70.83	+ 76.50	+ 885.41
ENV	AND FEETS	+10375.24	- 5013274.2	+ 2594436.4	+ 763946.2	+ 78.99	+ 70.53	+ 76.88	+ 1098.70

PIPTIME: 3.979692 0000 05 PEA: APPROACH TPIP: 3.97969280000 05

	PLANE RC								V AND VG				
1.7361618745	0	-1.5574999999	02	-4.4331249999	02	-8.1135749E168	00	3.343057632 44	00	3.8918836 2121	01		
6.6937499999	02	-1.1245999999	03	-1.3047499999	03	-8.0909725C0039	00	-5.1383972167 9	-01	4.3329420 3613	01		
	LAND					TTF		CG				AFC	
1.7258918745	06	-7.5495999999	01	8.5887499999	02	-7.9406591796 8	01	0.99	-0.00	0.00		2.0652450925 7	00
								0.00	0.98	-0.06			
	TRANSIENT	0.258						-0.00	0.06	0.99			
	UNFC							UNWC					
5.9737751718 7	-01	-9.0251959 2578	-03	-4.4117132450 1	-01	-2.0264914065 7	-01	6.0916820004 8	-02	9.7735483158 1	-01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REG55
THROTTLE:	397970.62	8223.73	- 10	1358	2.1145	2.0692	1372	1358	- 14	0	- 14

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	397970.88	64	6 64	885	- 265	- 1 19	7	1305	69 39	135	21	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397971.29	- 3.6694	26.2752	- 0.5603	0.0241	0.2934	- 0.6006	ACTUAL
	397971.28	- 4.1967	26.6528	- 0.3295	0.0879	- 0.1647	- 0.1098	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	357971.279	+ 9211.17	- 1527927.9	+ 7903430.9	+ 2328330.9	+ 22.68	+ 20.54	+ 22.29	+ 256.62
ENV	357971.279	+ 8327.03	- 1527995.1	+ 7903260.1	+ 2328970.2	+ 22.80	+ 20.45	+ 22.42	+ 318.88
ERR	0.00	1 6.86	71.1	17.8	63.2	0.12	0.08	0.12	62.25
AGC	IN FEETS	+18117.79	- 5012887.1	+ 2594632.5	+ 7638510	+ 74.41	+ 67.40	+ 73.13	+ 841.94
ENV	AND FEETS	+18345.97	- 5013120.4	+ 2594574.1	+ 7640980.6	+ 74.81	+ 67.12	+ 73.56	+ 1046.20

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PIPTIME: 3.97971280000 05 P64: APPROACH TPIP: 3.97971280000 05

	R AND VG			V AND VG	
1.7[illegible]3749 06	-1.5[illegible]2475[illegible] 02	-3.67562455959 02	-7.60474205017 00	3.28502655029 00	3.69438171386 01
2.5[illegible]2455[illegible] 02	-9.9553[illegible] -01	-1.22012499999 03	-7.58261816406 00	-4.94003255859 -01	4.14539337158 01

	LAND		TTF	CG	AFC
3.73585187499 04	-7.31243399999 01	8.45555555555 02	-7.74486474605 01	0.99 -0.00 0.00	2.04282579943 00
				0.00 0.99 -0.06	
	TRANSIENT 0.48			-0.00 0.06 0.99	

	LNFC			UNWC	
6.99280100108 -01	-3.25659192096 -02	-4.37274360866 -01	-2.05944693328 -01	6.16491227807 -02	9.76619766823 -01

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	357972.63	8213.17	- 20	1339	2.0395	2.0428	1366	1339	- 27	0	- 27

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	357972.90	64	6 64	842	- 249	- 1 17	7	1242	67 38	129	24	9999

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	CLOCKTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	357973.23	- 3.6584	26.3671	- 0.1208	0.0594	- 0.2032	0.5445	ACTUAL
	357973.00	- 4.1967	26.4331	- 0.5053	0.0659	- 0.1757	0.0000	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397973.279	+ 8207.14	- 1527887.9	+ 790885.9	+ 232877.9	+ 21.47	+ 19.51	+ 21.32	+ 244.74
ENV	397973.279	+ 8211.26	- 1527954.7	+ 790366.0	+ 232941.1	+ 21.59	+ 19.42	+ 21.45	+ 303.87
ERR	0.000	114.12	66.7	19.9	63.1	0.11	0.08	0.12	59.12
AGC	IN FEETS	+18093.48	- 5012755.9	+ 2594770.3	+ 764035.4	+ 70.45	+ 64.01	+ 69.97	+ 802.98
ENV	AND FPS	+18261.01	- 5012974.7	+ 2594704.9	+ 764242.6	+ 70.84	+ 63.72	+ 70.39	+ 996.96

FIPTIME: 3.979732800000 05 PEG: APPROUAD TPIP: 3.97973280000 05

	R AND RC			V AND VG	
1.7362[illegible]1249 06	-1.435424999999 02	-2.995499999999 02	-7.14430809020 00	3.25946807861 00	3.51431369781 01
2.6[illegible]1999 [illegible]	-[illegible] -01	-1.138999999999 02	-7.12432661328 00	-4.40979003906 -01	2.96545410156 01

	LAND		TTF		CG		AFC
1.7358518[illegible] 06	-7.174999999999 01	8.411249999999 02	-7.54340136718 01	0.09 -0.00 0.00			2.01758695766 00
				0.00 0.99 -0.06			
	TRANSIENT 0.229			-0.00 0.06 0.99			
	UNFC			UNWC			
5.0[illegible]1627 -01	-1.066[illegible]7422242 -02	-4.33880411092 -01	-2.10219757619 -01	6.25043646347 -02	5.75654066720 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REG55
THROTTLE:	397974.53	8207.14	- 8	1321	2.0545	2.0175	1332	1321	- 11	0	- 11

	TIME	MODE	VERBNOUN	F	FDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397974.60	64	6 64	803	- 233	- 1 15	6	1181	65 38	123	28	9999

	CDLTIME	CDLX	CDLY	CDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397975.28	- 3.6364	26.1474	- 0.8569	- 0.0350	- 0.1991	0.0437	ACTUAL
	397975.00	- 4.1167	26.2133	- 0.5053	0.0659	- 0.1538	- 0.0329	DESIRED

	TIME	MASS	RA			RN			VN			ALTITUDE
AGC	39797.279	+ 8136.11	- 1527847.9	+ 790923.9	+ 232919.9	+ 20.33	+ 18.47	+ 20.35				+ 233.74
ENV	39797.279	+ 8299.67	- 1527912.6	+ 790903.9	+ 232983.0	+ 20.45	+ 18.40	+ 20.46				+ 289.73
ERR	0.00	1[illegible].55	64.6	20.0	63.0	0.11	0.06	0.10				55.98
AGC	IN POUNDS	+15[illegible]65.16	- 5012624.7	+ 2594895.0	+ 764173.2	+ 66.70	+ 60.61	+ 66.78				+ 766.89
ENV	AN POUNTS	+18297.4[illegible]	- 5012836.8	+ 2594829.0	+ 764380.0	+ 67.09	+ 60.38	+ 67.13				+ 950.58

PIPTIME: 3.979752[illegible]000 05

P64: APPROUAL

TPIP: 3.97975280000 05

		R AND RG						V AND VG					
3.73612[illegible]	06	-1.7124[illegible]	02	-2.2695999999	02	-6.7412853240[illegible]	00	3.21745872497	00	3.33664894104	01		
2.33[illegible]	02	-6.74[illegible]	- 1	-1.06149999999	03	-6.7222595[illegible]2148	00	-4.0206909[illegible]756	-01	3.78784179687	01		
		LAND				TTF		CG				AFC	
1.73[illegible]	00	-8.83749[illegible]	01	8.3224999999	02	-7.34340136718	01	0.99	-0.00	0.00		1.99425034224	00
								0.[illegible]	0.99	-0.06			
		TRANSIENT 0.282						-0.00	0.06	0.99			
		LNFC						UNWC					
[illegible]2[illegible]7[illegible].573	-01	-0.16956[illegible]	-02	-4.29532274150	-01	-2.15216506474	-01	6.32343450674	-02	9.74516943385	-01		

	TIME	MASS	FWEIGHT	FCCLP	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39797.61	8136.11	- 10	1304	2.[illegible]295	1.9542	1319	1304	- 15	0	- 15

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39797.8	64	6 64	767	- 220	- 1 13	6	1121	63 39	118	27	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39797.28	- 0.[illegible]5	25.9057	- 0.9228	0.0396	0.1278	- 0.2405	ACTUAL
	39797.2	- 40.1567	25.9936	- 0.5053	0.0604	- 0.1977	- 0.0219	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3979770.279	+ 81[illegible]0.10	- 1527809.9	+ 790961.9	+ 232959.9	+ 19.20	+ 17.43	+ 19.37	+ 223.49
ENV	3979770.279	+ 82886.24	- 1527872.8	+ 790939.7	+ 233023.0	+ 19.33	+ 17.38	+ 19.49	+ 276.40
ERR	0.0[illegible]	[illegible]	62.8	22.2	63.0	0.12	0.05	0.11	52.90
AGC	IN POUNDS	+1[illegible]044.88	- 3012499.9	+ 2595019.6	+ 764304.4	+ 63.00	+ 57.20	+ 63.56	+ 733.26
ENV	AND FEETS	+1[illegible]272.25	- 3012706.3	+ 2594946.5	+ 764511.1	+ 63.42	+ 57.03	+ 63.96	+ 906.82

TIPTIME: 3.97977280000 05 P64: APPROACH TPIP: 3.97977280000 05

	R AND RC			V AND VG	
	1.73611556245 06	-1.07[illegible] 02	-1.61993999999 02	-6.35380744934 00	3.16901206970 00	3.15886497497 01
	2.32[illegible]999999 02	-7.49999999999 -01	-9.87499999999 02	-6.33621215620 00	-3.66592407226 -01	3.61003875732 01

	LAND		TTF		CG		AFC
1.73589187499 06	-6.59999999999 01	8.23374999999 02	-7.14740820312 01	0.99 -0.00 0.00	0.00 0.99 -0.06	-0.00 0.06 0.99	1.96959990539 00

TRANSIENT 0.341

	UNFC				UNWC	
9.0546824[illegible]997 -01	-1.26073[illegible]94984 -02	-4.24196486417 -01	-2.2084176510[illegible] -01	6.38475639305 -02	9.73217551919 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REG55
THROTTLE:	3979[illegible].61	[illegible]0.10	- 18	1286	2.0245	1.9695	1312	1286	- 26	0	- 26

	TIME	MCIF	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3979[illegible].68	64	6 64	733	- 207	- 1 11	5	1062	61 39	113	27	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979[illegible].28	- 3.6525	25.7080	- 0.0439	0.0178	0.2769	0.0333	ACTUAL
	3979[illegible].28	- 4.[illegible]567	25.7189	- 0.5053	0.0604	- 0.2746	- 0.0549	DESIRED

	TIME	MASS	FN			VN			ALTITUDE
AGC	39[illegible]79.79	+ 8174.11	- 152777.9	+ 79C995.9	+ 232999.9	+ 18.15	+ 16.42	+ 18.42	+ 214.06
ENV	39797.279	+ [illegible]76.91	- 152783.3	+ 79C973.4	+ 233061.C	+ 18.26	+ 16.36	+ 18.54	+ 263.80
ERR	0.00	102.79	59.3	22.5	61.0	0.10	0.05	0.11	49.74
AGC	IN POUNDS	+[illegible]20.85	- 5012388.4	+ 2595131.2	+ 764435.6	+ 59.56	+ 53.88	+ 60.43	+ 702.30
ENV	AND FEETS	+1[illegible]247.29	- 5012583.C	+ 2595057.3	+ 764636.0	+ 59.92	+ 53.70	+ 60.82	+ 865.50

PIPTIME: 3.97979 2[illegible]0000 C5

P64: APPROACH

TPIP: 3.97979280000 05

R AND G				V AND VG		
1.7[illegible]10612499 06	-1.2[illegible]4374[illegible]999 [illegible]2	-1.00562459999 02	-6.01878166198 00	3.11341285705 00	2.98802375793 01	
[illegible]1[illegible]7499[illegible]999 02	-3.[illegible]2499[illegible]999 -01	-9.17124999999 02	-6.00242614746 00	-3.39508056640 -01	3.43914031982 01	

LAND	TTF	CG	AFC
1.73[illegible]1[illegible]7.99 [illegible] -6.3624[illegible]999 01	8.14499999999 02	-6.94592626953 01	0.09 -0.00 0.00 0.00 0.09 -0.06 -0.00 0.06 0.99	1.94725347682 00

TRANSIENT 0.27

CAFC	UNWC
[illegible]7[illegible]7.76 -01 -1.32[illegible]189[illegible]07 -02 -4.19042625235 -01 -2.27440090223 -01	6.44596713031 -02 9.71656295268 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]7950.61	8174.11	- 6	1278	1.5855	1.5472	1279	1270	- 9	0	- 9

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FDRVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]7[illegible]00.-4	64	6 64	702	- 196	- 1 9	5	1005	59 39	106	28	9999

	CDUTIME	CDUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	[illegible]79[illegible]1.24	- [illegible].5765	25.2246	- 0.7141	0.0063	- 0.2146	0.7279	ACTUAL
	[illegible]7[illegible]1.2	- 4.1867	25.2795	- 0.5055	0.0494	- 0.2307	- 0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 81[illegible].63	- 1527743.9	+ 791029.9	+ 2330[illegible]5.9	+ 17.16	+ 15.42	+ 17.52	+ 204.99
ENV	3979[illegible]1.279	+ 8265.71	- 1527799.7	+ 791005.2	+ 2330[illegible]7.2	+ 17.27	+ 15.37	+ 17.63	+ 251.85
ERR	0.[illegible]	102.35	55.7	24.7	61.2	0.11	0.05	0.11	46.85
AGC	IN POUNDS	+179[illegible]7.54	- 5012283.4	+ 2595242.7	+ 764553.8	+ 56.31	+ 50.60	+ 57.48	+ 672.57
ENV	AND FEETS	+18[illegible]22.6[illegible]	- 5012466.3	+ 2595161.5	+ 764754.6	+ 56.68	+ 50.44	+ 57.87	+ 826.28

FIFTIME: 3.97[illegible] C5 P64: APPROACH TPIP: 3.97981280000 05

	R AND RC			V AND VG		
1.7[illegible]	-1.18245[illegible] 02	-4.24374999999 01	-5.72428703308 00	3.08780670166 00	2.82371997833 01
2.04874[illegible]	-6.24559[illegible] 02	-8.50124999999 02	-5.70669445800 00	-2.81143188476 -01	3.27499369648 01

	LAND		TTF	CG		AFC
1.7[illegible]	-6.12455[illegible] 01	8.05749999999 02	-6.74992626953 01	0.99 -0.00 0.00		1.92745123058 00
				0.00 0.99 -0.06		
	TRANSIENT 0.328			-0.00 0.06 0.99		

	UNFC			UNWC	
[illegible]	-1.50[illegible]1412 -02	-4.14004605017 -01	-2.34632542315 -01	6.50671930562 -02	6.69904031579 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible]2.60	8153.[illegible]	- 6	1255	1.9495	1.9274	1263	1255	- 8	0	- 8

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3979[illegible]2.84	6[illegible]	6 64	673	- 187	- 1 7	5	950	57 39	103	26	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3979[illegible]3.[illegible]8	- 3.5705	24.6730	- 0.8020	0.0232	- 0.1642	- 0.6498	ACTUAL
	3979[illegible]0.23	- 4.1067	24.8950	- 0.5603	0.0655	- 0.1647	- 0.1208	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	397[illegible].279	+ [illegible]153.17	- 1527711.9	+ 791061.9	+ 233069.9	+ 16.19	+ 14.45	+ 16.59	+ 196.49
ENV	397983.279	+ 8254.67	- 1527766.1	+ 791035.0	+ 233131.5	+ 16.30	+ 14.40	+ 16.71	+ 240.54
ERR	0.00	101.47	54.1	26.9	61.5	0.11	0.04	0.12	44.04
AGC	IN POUNDS	+17974.47	- 5012178.4	+ 2555347.7	+ 764665.3	+ 53.12	+ 47.41	+ 54.44	+ 644.68
ENV	AND FEETS	+181[illegible]8.17	- 5012356.2	+ 2595259.2	+ 764867.4	+ 53.80	+ 47.76	+ 54.84	+ 789.19

PIPTIME: [illegible] C5 PGM: APPROACH TPIP: 3.97983280000 05

	R AND RG					V AND VG		
1.7[illegible]E49999 06	-1.12124[illegible]9-999 02	1.24374599999 01	-5.43437004089 00	3.02019119262 00	2.66044139862 01
1.5637459[illegible] 02	-6.245[illegible] -01	-7.86249999999 02	-5.41992187500 00	-2.63595581054 -01	3.11157226562 01

	LAND		TTF		CG		AFC
1.7358[illegible] 06	-5.08745[illegible] 01	7.56874999999 02	-6.54992626953 01	0.99 -0.00 0.00		1.90597260370 00
				0.00 0.55 -0.06		
	TRANSIENT 0.360			-0.00 0.06 0.99		

	LNFC				UNWC		
[illegible]1268[illegible]	-1.52673559545 -02	-4.08368285216 -01	-2.42557704872 -01	6.56749095227 -02	9.67911445363 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible].61	8153.17	- 16	1240	1.9495	1.9059	1262	1240	- 22	0	- 22

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]7964.4	64	6 64	645	- 177	- 1 5	4	896	55 30	96	25	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397985.28	- 3[illegible]7.15	24.8510	- 0.6701	- 0.0505	- 0.5864	- 0.5277	ACTUAL
	397985.28	- 4[illegible]1567	24.6203	- 0.7250	0.0439	- 0.2416	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3979[illegible]	+ 14[illegible].71	- 1527681.9	+ 791089.9	+ 2331C1.9	+ 15.27	+ 13.49	+ 15.68	+ 188.37
ENV	3978[illegible]	+ 243.65	- 1527[illegible]4.5	+ 791062.8	+ 233164.1	+ 15.37	+ 13.44	+ 15.81	+ 229.73
ERR	[illegible]	10.94	52.5	27.1	62.1	0.10	0.06	0.12	41.36
AGC	IN PLANES	+179[illegible]	- 5012C30.0	+ 2595439.6	+ 764770.3	+ 50.11	+ 44.26	+ 51.46	+ 618.02
ENV	ABL FCCTS	+1817.97	- 5012252.3	+ 2595350.5	+ 764974.1	+ 50.45	+ 44.12	+ 51.89	+ 753.72

PIPTIME: 3.97952[illegible] C5 P64: APPROACH TPIP: 3.97985280000 05

R AND RC				V AND VC			
1.73[illegible]	C6	-1.061249[illegible]	02	6.40624999999	01	-5.18937110900	00	2.95457839965	CC	2.50157356262	01
1.6[illegible]	02	-4.9[illegible]	-01	-7.25749999999	02	-5.17616271972	00	-2.42614746093	-01	2.95261383056	C1

LANC				TTF				CG			AFC	
1.73[illegible]	06	-5.649999999999	C1	7.88124999999	02	-6.35187207031	01	0.99	-0.00	0.00	1.88708305358	CC
								C.00	C.99	-0.06		
TRANSIENT C. 93								-0.00	0.06	0.99		

UNFC								UNWC			
9.15[illegible]	-01	-1.57[illegible]31587	-02	-4.02096889877	-01	-2.51356855073	-C1	6.61658161484	-C2	9.65630268882	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3979[illegible]61	14[illegible].71	- 6	1226	1.9245	1.9870	1234	1226	- 8	0	- 8

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3979[illegible].84	64	6 64	618	- 169	- 1 3	4	843	53 39	92	24	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]	- 3.[illegible]	24.1655	- 0.6C42	0.0285	- 0.2760	0.8689	ACTUAL
	2[illegible]	- 4.1967	24.1809	- 0.725[illegible]	0.0384	- 0.2416	- 0.0109	DESIRED

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                TIME      |   MASS    |          RN                |          VN                |          ALTITUDE
AGC   [illegible]79 |  + 81[illegible].27 |  - 1[illegible]27655.9  + 791117.9  + 2331[illegible].9 |  + 14.38  + 12.51  + 14.81 |  +  180.62
ENV   [illegible]79 |  + 8232.85  |  - 1[illegible]27704.6  + 791088.7  + 2331[illegible]4.8 |  + 14.48  + 12.48  + 14.93 |  +  219.40
ERR   [illegible]   |   10.58     |        46.6        29.2        60.8 |    0.10     0.03     0.11 |     38.78

AGC   IN FLIGHT   +179[illegible].41 |  - [illegible]1154.7  + 2595531.4  + 764875.3 |  + 47.19  + 41.06  + 48.61 |  +  592.60
ENV   AND F OTS   +1[illegible]15.16 |  - [illegible]12154.4  + 2595435.5  + 765076.9 |  + 47.52  + 40.94  + 48.99 |  +  719.83

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PIPTIME:        [illegible]C5                     PGA:  APPROUAL                          TPIP:        3.9798872E0000  05
                                                  ||||||||||||||

                    AND                                                                V AND VG
1.7[illegible]0072[illegible]  [illegible]  -[illegible]002[illegible]  02   1.1249999999999  02  -4.9[illegible]63911437  00   2.9219627[illegible]  00   2.3450469970[illegible]  01
1.8[illegible]  [illegible]  -4.[illegible]  -01  -0.6837499999[illegible]  02  -4.95338439941  00  -1.8730163574[illegible]  -01   2.79617309570  01

                    LAND                                  TTF                          CG                          AFC
1.7[illegible]9[illegible]7499  [illegible]  -5.412499[illegible]  01   7.7924999999999  02  -6.1549462895[illegible]  01   0.99  -0.00  0.00   1.9[illegible]59630048  00
                                                                                                  0.0  0.09  -0.06
                    TRANSIENT    .450                                                            -0.00  0.06  0.99

                    LAFC                                                                  UNWC
9.1[illegible]4743[illegible]8421  -[illegible]  -1.7621147[illegible]  -02  -3.95087233434  -01  -2.60995028251  -01   6.65305380716  -02   9.63044797884  -01

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              TIME      MASS     FWEIGHT   FCCLD     AF       AFC       FP       FC      PIF     PIFPSET   REG55
THROTTLE:   3[illegible]98.61   8132.[illegible]7   -  12    1212    1.5045    1.8685    1229     1212   -  17       0   -  17

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              TIME      MODE   VERBNOUN    H      HDOT      TTF      RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:   979[illegible].88   64    6  64   593   -  162   -  1  1     4      792    51.39      87       23     9999

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              CDUTIME      CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:   [illegible]79[illegible].28  -  3.6035   23.5546  -  1.0876   0.0410   0.1659  -  0.2212   ACTUAL
            979[illegible].28  -  4.1567   23.7414  -  0.7250   0.0604  -  0.2746  -  0.0769   DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397985.70	+ 5121.84	- 1527629.9	+ 791141.9	+ 233161.9	+ 13.51	+ 11.58	+ 13.93	+ 173.18
ENV	397985.279	+ 4222.07	- 1527676.5	+ 791112.8	+ 233223.8	+ 13.52	+ 11.55	+ 14.05	+ 209.51
ERR	0.010	100.22	46.5	29.1	61.8	0.10	0.03	0.12	36.33
AGC	IN POUNDS	+17905.42	- 5011909.4	+ 2595610.2	+ 764967.1	+ 44.34	+ 38.00	+ 45.72	+ 568.20
ENV	AND FEETS	+18126.39	- 5012062.1	+ 2595514.4	+ 765170.0	+ 44.69	+ 37.90	+ 46.11	+ 687.39

PIPTIME: 3.87[illegible] 05 P64: APPROQUAD TFIP: 3.97989280000 05

R AND G				V AND VG			
1.72[illegible]1749 06	-9.44999999999 01	1.57874999999 02	-4.74510192871 00	2.85458564758 00	2.19187259674 01		
1.71249[illegible]93 02	-[illegible].49999999999 -01	-6.13999999999 02	-4.73365783691 00	-1.66702270507 -01	2.64289855957 01		

LAND		TTF		CG		AFC	
1.73589187499 06	-5.17499999999 01	7.70374999999 02	-5.95927050781 01	0.99 -0.00 0.00	1.84915559835 00		
				[illegible] -0.09 -0.00			
TRANSIENT 0.451				-0.00 0.06 0.99			

UNFC				UNWC	
[illegible]2154[illegible]8464 -01	-1.81924[illegible]8598 -02	-3.87856560645 -01	-2.71637653461 -01	6.69022274233 -02	9.60071380396 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	397990.63	5121.84	- 12	1198	1.8945	1.8491	1215	1198	- 17	0	- 17

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397990.63	64	6 64	568	- 154	- 0.59	3	741	49.39	82	21	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397910.28	- 3.5925	23.2580	- 0.6921	- 0.0524	- 0.4733	- 0.0554	ACTUAL
	397910.28	- 4.1167	23.3020	- 0.7250	0.0549	- 0.2966	- 0.0769	DESIRED

	TIME	MASS	PN			VN			ALTITUDE
AGC	397991.279	+ 8111.93	- 1527603.9	+ 791165.9	+ 233189.9	+ 12.72	+ 10.66	+ 13.09	+ 165.99
ENV	39799.79	+ 8211.56	- 1527650.1	+ 791135.0	+ 233251.0	+ 12.83	+ 10.64	+ 13.21	+ 200.02
ERR	0.10	99.63	46.1	30.9	61.0	0.09	0.02	0.11	34.02
AGC	IN POUNDS	+17[illegible].56	- 5011824.1	+ 2595688.9	+ 765059.0	+ 41.77	+ 34.99	+ 42.96	+ 544.61
ENV	ANL POUNTS	+18103.21	- 5011975.3	+ 2595587.3	+ 765259.4	+ 42.10	+ 34.91	+ 43.35	+ 656.24

PIPTIME: 3.97991280000 05 P64: APPROACH TPIP: 3.97991280000 05

	R AND RG				V AND VG			
1.7[illegible]7[illegible]99	06	-8.8874999999	01	2.00249999999	02	-4.58731651306	00	2.79893875122	00	2.04584121704	01
1.65999999999	02	-3.749999999	-01	-5.62624999999	02	-4.57649230957	00	-1.36566162109	-01	2.49683380126	01

	LAND				TTF			CG			AFC	
1.73589[illegible]		-4.37499999999	01	7.61499999999	02	-5.75927050781	01	0.99	-0.00	0.00	1.83478929102	00
								0.00	0.99	-0.07		
	TRANSIENT 0.457							-0.00	0.07	0.99		

	LAFC				UNWC		
0.24571247119	-01	-1.91006261079	-02	-3.80529394075	-01	-2.83099897321	-01	6.72652192428	-02	9.56728717253	-01

	TIME	MASS	FWEIGHT	FCCLE	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397992.59	8111.92	0	1187	1.8545	1.8347	1188	1187	- 1	0	- 1

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	397992.83	64	6 64	545	- 149	- 0.57	3	693	47 40	75	21	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397993.28	- 0.9595	22.5329	- 0.4284	0.0409	- 0.4235	0.6150	ACTUAL
	397[illegible]3.28	- 4.1567	22.8625	- 0.7250	0.0604	- 0.3186	- 0.1098	DESIRED

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          TIME      |   MASS      |   - 1527581.9  +  791187.3  +  233215.5  |  +  11.97  +   9.79  +  12.26  |  +    159.06
ACC       [illegible] |  + 8132.02  |   - 1527625.2  +  791155.4  +  233276.7  |  +  12.06  +   9.75  +  12.40  |  +    190.85
ENV       [illegible] |  + 8201.16  |                                          |                                |
ERR       [illegible] |    [illegible].13  |        43.2        32.5        60.7  |     0.09       0.04       0.13  |       31.78

ACC       IN POUNDS   +17851.73  |  - 5011751.9  + 2595761.1  +  765144.3  |  + 39.27  +  32.15  +  40.24  |  +    521.85
ENV       IN FEETS    +18080.29  |  - 5011893.7  + 2595654.2  +  765343.5  |  + 39.59  +  32.01  +  40.69  |  +    626.15

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        LIFTIME:        3.97993280000  05          P64:  APPROLAD                          TPIP:        3.97993280000  05
                                                  |||||||||||||||

                                                                                                  V AND VG
                                  R AND RC
   1.72605116245  06  -4.33124999999  01   2.39749999999  02  -4.42171096801  00   2.72016525268  00   1.90490245819  01
   1.58[illegible]  02  -2.[illegible]  -01  -5.14124999999  02  -4.41207885742  00  -1.30844116210 -01   2.35565185546  01

                                   LAND                                   TTF                    CG                    AFC
   1.73[illegible]  06  -4.6[illegible]  01   7.52624999999  02  -5.55806298828  01   0.99  -0.00   0.00   1.81973678951  00
                                                                                     0.00   0.99  -0.07
                          TRANSIENT  0.421                                            -0.00   0.07   0.99

                                   UNFC                                                                  UNWC
   [illegible].27345[illegible]4994 -01  -1.90513527181 -02  -3.73721263630 -01  -2.[illegible]  -01   6.73928811819 -02   5.52901155117 -01

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          TIME        MASS      FWEIGHT   FCOLD     AF        AFC       FP        FC      FIF     FIFPSET   REG55
THROTTLE:  39[illegible].61   [illegible]  -  12    1176    1.8445    1.8197    1192    1176  -  16        0  -  16

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          TIME       MODE   VERBNOUN     R      RDOT     TTF     RANGE    ABVEL    TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:  39[illegible].87    64      6  64     522  -  144  - 0.55       3      647     45.40      71       20     9999

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          COLTIME      CDLX        CDLY        CDUZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE:  39[illegible].2  -  3.6364   22.2473  -  0.9558  - 0.0059    0.0079  - 0.5969    ACTUAL
           39[illegible].2  -  4.1[illegible]  22.4230  -  0.7250    0.0439  - 0.2966  - 0.1098    DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	397[illegible]5.79	+ [illegible]2.17	- 1527559.5	+ 791205.9	+ 233239.9	+ 11.21	+ 8.92	+ 11.45	+ 152.24
ENV	397[illegible]5.279	+ 8190.76	- 1527601.8	+ 791174.0	+ 233300.6	+ 11.30	+ 8.88	+ 11.60	+ 182.00
ERR	[illegible]	8.62	41.8	31.9	60.6	0.09	0.04	0.14	29.75
AGC	TO POUNDS	+17819.92	- 5011675.7	+ 2595820.2	+ 765222.0	+ 36.78	+ 29.27	+ 37.58	+ 499.50
ENV	ANI FOOTS	+18657.36	- 5011817.0	+ 2595715.3	+ 765422.2	+ 37.09	+ 29.13	+ 38.05	+ 597.12

FIRTIME: 3.97[illegible]552 [illegible]000 05 P64: APPROACH TPIP: 3.07995280000 05

	R AND RG			V AND VG		
1.7[illegible]424[illegible] 6	-7.79 7[illegible]999 01	2.76437499999 02	-4.26230430603 00	2.66222953796 00	1.76440715789 01	
1.[illegible]2 [illegible]999 02	-2.4[illegible]999 01	-4.68409999999 02	-4.25338745117 00	-9.91821289062 -02	2.21508026123 01	

	LAND		TTF	CG			AFC	
1.7[illegible]0187459 06	-5.46245[illegible]999 01	7.43745999999 02	-5.36062451171 01	0.99 -0.00 0.00			1.80389499291 00	
				0.00 0.99 -0.07				
TRANSIENT 0.612				-0.00 0.07 0.99				
	LAFC			UNWC				
9.[illegible]143957 -01	-2.00[illegible]4[illegible]24 -02	-3.65454172401 -01	-3.09236511205 -01	6.75119584275 -02	9.48585744994 -01			

	TIME	MASS	FWEIGHT	FCOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	397[illegible]6.61	8192.1[illegible]	- 16	1164	1.8445	1.8038	1179	1164	- 15	0	- 15

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3[illegible]79-6.08	64	6 04	500	- 139	- 0.53	3	602	43 40	68	18	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	397997.2	- 3.0[illegible]35	21.7858	- 0.5932	- 0.0496	- 0.5223	- 0.0049	ACTUAL
	397997.28	- 3.1567	21.9287	- 0.7830	0.0604	- 0.3295	- 0.1428	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3579[illegible]7.75	+ [illegible]82.25	- 1527539.9	+ 791223.9	+ 233261.9	+ 10.52	+ 8.04	+ 10.70	+ 145.56
ENV	3579[illegible]7.275	+ [illegible]80.48	- 1527576.9	+ 791190.9	+ 233323.1	+ 10.61	+ 8.01	+ 10.84	+ 173.43
ERR	0.[illegible]	[illegible].2[illegible]	39.9	33.0	61.1	0.08	0.03	0.13	27.87
AGC	IN [illegible]CUMENTS	+17815.13	- 5011614.1	+ 2595979.2	+ 765295.2	+ 34.51	+ 26.40	+ 35.11	+ 477.56
ENV	ANL [illegible]ECTS	+15034.70	- 5011745.1	+ 2595770.7	+ 765495.8	+ 34.81	+ 26.29	+ 35.56	+ 569.02

PIPTIME: 3.97997280000 05 P64: APPROUAD TPIP: 3.97997280000 05

	R AND RC		V AND VG	
1.73605786249 06	-7.26249[illegible]595 01	3.10374900999 02	-4.15449142456 00	2.63657569885 00	1.63035869598 01
1.45[illegible] 02	-1.749[illegible] -01	-4.25624999999 02	-4.14657592773 00	-4.00543212890 -02	2.09118438720 01

	LAND		TTF		CG		AFC
1.73[illegible]187499 06	-4.22499[illegible] 01	7.34874999999 02	-5.16198388671 01	0.99 -0.00 0.00	1.79319642484 00
				0.00 0.99 -0.07	
	TRANSIENT 1.540			-0.00 0.07 0.99	

	UNFC			UNWC	
[illegible]19[illegible]599 -01	-2.29299[illegible]428 -02	-3.57054860548 -01	-3.23880884582 -01	6.75107912455 -02	9.43686105475 -01

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIP	PIPPSET	REG55
THROTTLE:	3579[illegible]	40[illegible]2.25	0	1156	1.[illegible]	1.7931	1157	1156	0	0	0

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	3579[illegible]8.83	64	[illegible] 64	478	- 135	- 0.51	2	558	41 41	62	17	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]99[illegible].28	- 2.[illegible]145	21.2915	- 0.8349	0.0577	- 0.1926	0.2818	ACTUAL
	3[illegible]99[illegible].28	- 4.1418	21.3244	- 0.9997	0.1208	- 0.2636	- 0.1757	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1527521.9	+ 791739.9	+ 233281.9	+ 9.84	+ 7.20	+ 9.96	+ 139.12
ENV	[illegible]	+ [illegible]	- 1527559.3	+ 791206.1	+ 233344.0	+ 9.93	+ 7.18	+ 10.08	+ 165.10
ERR	0.	47.97	37.3	33.8	62.0	0.09	0.01	0.11	25.97
AGC	IN POUNDS	+1779[illegible]	- [illegible]1155.1	+ 2595931.7	+ 765360.8	+ 32.29	+ 23.62	+ 32.68	+ 456.44
ENV	AND FEETS	+1[illegible]126.35	- 5011677.7	+ 2595820.6	+ 765564.4	+ 32.60	+ 23.58	+ 33.07	+ 541.66

PITIME: 3.97999280000 05 P64: APPROACH TPIP: 3.97999280000 05

R AND RG				V AND VG			
1.72[illegible] 06	-0.74[illegible] 01	3.41687459999 02	-4.0421[illegible]0627 00	2.60677337646 00	1.49945735931 01		
1.35[illegible] 02	0.	-3.65249999999 02	-4.0[illegible]3480529785 00	1.79290771484 -02	1.95037841796 01		

LAND		TTF	CG			AFC
1.7[illegible] 06	-0.0874[illegible] 01	7.25555555555 02	-4.96053759765 01	0.99 -0.00 0.00		1.78158516064 00
				0.00 0.99 -0.07		
TRANSIENT .562				-0.00 0.07 0.99		

UNFC				UNWC	
9.37 1[illegible].53 -01	-2.60[illegible]2[illegible]24 -02	-3.48316758447 -01	-3.39870975160 -01	6.72661305005 -02	9.33063424258 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]0.61	5072.39	- 10	1147	1.8045	1.7815	1162	1147	- 15	0	- 15

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	39[illegible]	64	0 64	456	- 131	- 0.49	2	516	39 41	59	17	9999

	CDUTIME	CDUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	[illegible]0.2	- 0.702	20.6652	- 1.6640	- 0.0389	0.2588	- 0.6237	ACTUAL
	[illegible]0.2	- 0.770	20.8300	- 1.2124	0.0933	- 0.3186	- 0.1647	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 8063.2	- 152750.9	+ 791253.9	+ 233301.9	+ 9.17	+ 6.38	+ 9.20	+ 132.68
ENV	39800.279	+ 816.19	- 152754.1	+ 791219.7	+ 233363.4	+ 9.27	+ 6.38	+ 9.32	+ 156.98
ERR	[illegible]	57.17	36.1	34.2	61.4	0.09	0.00	0.12	24.30
AGC	IN POUNDS	+17775.73	- 5011496.0	+ 2555977.6	+ 765426.5	+ 30.11	+ 20.95	+ 30.18	+ 435.32
ENV	AND FEETS	+17985.57	- 5011614.7	+ 2555865.1	+ 765628.1	+ 30.42	+ 20.94	+ 30.59	+ 515.05

FIFTIME: 3.98001280000 05 PEG4: APPROUAD TPIP: 3.98001280000 05

R AND RG				V AND VG			
1.73[illegible]2466.749 06	-6.23124999999 01	3.70374999999 02	-3.93137931823 00	2.53925323486 00	1.37024402618 01
1.27499[illegible] 02	1.24999999999 -01	-3.47624999999 02	-3.92494201660 00	3.96728515625 -02	1.82098388671 01

LAND			TTF	CG			AFC
1.75[illegible] 06	-3.74999999999 01	7.17124999999 02	-4.76517041015 01	0.99 -0.00 0.00			1.76592034539 00
				0.00 0.99 -0.07			
TRANSIENT 0.016				-0.00 0.07 0.99			
UNFC				UNWC			
[illegible]406659[illegible]24 -01	-2.70411317056 -02	-3.38254880271 -01	-3.56822503355 -01	6.66524416120 -02	9.31791367310 -01		

	TIME	MASS	FWEIGHT	FCDLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39800.061	8063.2	- 6	1138	1.7995	1.7699	1147	1138	- 9	0	- 9

	TIME	MODE	VERBNOUN	F	FCCT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39800.84	64	6 64	435	- 128	- 0.47	2	475	37 42	55	15	9999

	CULTIME	CULX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39800.28	- 3.6474	20.3247	- 1.2304	- 0.0069	- 0.4700	0.1713	ACTUAL
	39800.29	- 3.3221	20.1708	- 1.2842	0.1373	- 0.3405	- 0.1098	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	398 [illegible]	+ 0[illegible]	- 1527487.9	+ 791267.9	+ 233319.9	+ 8.59	+ 5.62	+ 8.47	+ 126.37
ENV	398[illegible]	+ 215.1	- 1527522.2	+ 791231.7	+ 233381.3	+ 8.68	+ 5.61	+ 8.59	+ 149.07
ERR	0	56.51	34.2	36.2	61.3	0.08	0.00	0.12	22.69
AGC	IN FEUNDS	+17755.12	- 5011443.5	+ 2556023.6	+ 765485.5	+ 28.19	+ 18.46	+ 27.79	+ 414.61
ENV	AND FOOTS	+17967.90	- 5011555.8	+ 2559904.5	+ 765686.9	+ 28.47	+ 18.43	+ 28.19	+ 489.08

PIPTIME: 3.68003290000 05 P64: APPROACH TPIP: 3.98003280000 05

F AND FG				V AND VG		
1.7[illegible] 749 06	-5.731249[illegible]099 01	3.96562459959 02	-3.86047363281 00	2.45385169982 00	1.25044345855 01	
1.2[illegible]745[illegible]999 02	[illegible]	-3.12499999999 02	-3.85437011718 00	4.31060751015 -02	1.70089721679 01	

LAND			TTF	CG			AFC	
1.7[illegible]5851187469	[illegible]	-1.124[illegible] 01	7.08249999999 02	-4.56187353515 01	0.99	-0.00 0.00	1.76365952938	00
					0.00	0.99 -0.07		
TRANSIENT	1.627				-0.00	0.07 0.99		

UNFC				UNWC	
[illegible]4275[illegible]77 -01	-2.63[illegible] -02	-3.29601822746 -01	-3.75253621497 -01	6.57975608285 -02	9.24583906707 -01

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398004.57	8054.66	0	1133	1.7656	1.7636	1131	1133	2	0	2

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	198[illegible]4.81	64	6 64	415	- 125	- 0.45	2	436	35.42	50	14	9999

	CDUTIME	COUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	398005.27	- 3.7023	19.6765	- 1.4611	0.0483	- 0.2503	0.1758	ACTUAL
	398005.28	- [illegible].7573	19.5666	- 1.4842	0.0329	- 0.2746	- 0.0878	DESIRED

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          TIME      |    MASS     |          RN                |          VN                |   ALTITUDE
AGC   [illegible]79 | + 8144.32   | - 1527471.9 + 791277.9 + 233335.9 | + 8.00 + 4.89 + 7.73 | + 119.93
ENV   39[illegible]279 | + 8146.26   | - 1527595.4 + 791242.1 + 233397.8 | + 8.08 + 4.87 + 7.86 | + 141.31
ERR       0.000   |   95.94     |      33.4      35.8      61.8 |   0.08   0.01   0.13 |   21.37

AGC   IN POUNDS   +17734.52   | - 5011391.0 + 2596056.4 + 765536.0 | + 26.25 + 16.05 + 25.36 | + 393.49
ENV   AND FEETS   +17546.03   | - 5011500.8 + 2595938.9 + 765740.9 | + 26.54 + 16.00 + 25.81 | + 463.62

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                                          ||||||||||||||
      FIRTIME:      3.980[illegible]280000  CF          P64:  APPROACH          TPIP:      3.980[illegible]280000  D5
                                          ||||||||||||||

                R AND RG                                                V AND VG
 1.736[illegible]1195745  06  -5.24595[illegible]9999  D1   4.20374999999  D2  -3.77564430236  00   2.34942436218  00   1.13144874572  D1
 1.152[illegible]9999  02   1.24555[illegible]9999  -01  -2.75745999999  D2  -3.77044677734  00   2.97546386718  -02  1.59145904541  01

                LAND                                    TTF                          CG                          AFC
 1.72[illegible]51874[illegible]  06  -3.274[illegible]9999  01   6.59374999999  D2  -4.36187353515  01   0.99 -0.00  0.00   1.75628657829  D0
                                                                                                  0.00  0.99 -0.07
                TRANSIENT  0.615                                                                 -0.00  0.07  0.99

                UNFC                                                                    UNWC
 [illegible]472[illegible]7886 -01  -2.51113[illegible]7596 -02  -3.19454923518 -01  -3.94460550177 -01   6.48277784414 -02   5.16623277949 -01

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          TIME      MASS     FWEIGHT   FCOLD     AF       AFC       FP       FC      PIF    FIFFSET   REG55
THROTTLE:  [illegible]6.60   [illegible]32   -  6    1127    1.7696    1.7562    1136    1127   -  5       0   -  9

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          TIME      MODE   VERBNOUN    F     FCCT     TTF     RANGE    ABVEL   TTF LPD   FCRVEL   DELTAH   THRCMD
DISPLAYS:  [illegible]84    64    6  64   393   -  123   - 0.43     2     398    33.43      46       11     9999

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          CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  98037.29   -  [illegible]14   19.1601   -  1.2953   - 0.0555   - 0.0663   - 0.3827   ACTUAL
           [illegible]7.18   -  [illegible]73   19.0722   -  1.3842     0.0274   - 0.3845   - 0.0439   DESIRED

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          TIME        |    MASS     |          RN                |          VN                |    ALTITUDE
AGC   [illegible] 7.779 | + 8024.99   | - 1527457.9 + 791287.9 + 233351.9 | + 7.41 + 4.16 + 7.02 | + 113.24
ENV   [illegible] 7.779 | + 8130.35   | - 1527489.8 + 791251.2 + 233412.8 | + 7.49 + 4.15 + 7.17 | + 133.73
ERR       [illegible]   |   9.36      |     31.8        36.7        60.8   |   0.08   0.01   0.14 |   20.48

AGC   IN POUNDS  +17713.94 | - 5011345.1 + 2556489.2 + 765550.5 | + 24.33 + 13.66 + 23.07 | + 371.55
ENV   ANG EFCTS  +179[illegible].1 | - 5011449.6 + 2595968.5 + 765790.3 | + 24.59 + 13.62 + 23.53 | + 438.76

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                                          ||||||||||||||
     PIPTIME:      3.98007280000  05      PG4:  APPROUAL                          TPIP:      3.98007280000  05
                                          ||||||||||||||

                R AND RG                                                    V AND VG
 1.73[illegible]5 4.99 [illegible]  -4.78749[illegible] 01   4.41874599999  02  -3.68475914001  00   2.27198600769  00   1.01524353027  01
 1.1[illegible]74 [illegible]  [illegible]  1.4[illegible] -01  -2.49249999999  02  -3.68003845214  00   4.04357910156 -02   1.46499633789  01

                LAND                                                        TTF                          CG                          AFC
 1.73[illegible]1[illegible]7[illegible]  [illegible]  -3.03745[illegible]994  01   6.50499999999  02  -4.16377352578  01   0.99 -0.00  0.00   1.75060238689  00
                                                                                                        0.00  0.99 -0.07
                TRANSIENT  0.658                                                                       -0.00  0.07  0.99

                LAEC                                                        UNWC
 [illegible]5 7.1[illegible]7[illegible] -01  -[illegible]5[illegible]3[illegible]5[illegible]1 -02  -3.08547114396 -01  -4.13979325626 -01   6.38487724277 -02   9.09044300798 -01

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          TIME        MASS      FREEWGHT   FCCLC     AF        AFC       FP        FC      PIF     PIFPSET   REG55
THROTTLE:  [illegible].61   [illegible].99  -   4    1122    1.7656    1.7506    1128    1122  -   6       0  -   6

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          TIME      MODE  VERBNOUN    H      HDOT      TTF      RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:  [illegible]8.87   64    6  64    372  -  120  -  0.41     1     362    31 44      42       7     9999

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          COUTIME      COUX       COUY       COUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  [illegible]5.28  -  3.7654   18.5449  -  1.0107   0.0371  -  0.9860   0.2674     ACTUAL
           [illegible]0.28  -  3.7573   18.4130  -  1.3842   0.0604  -  0.3955  -  0.0549    DESIRED

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	TIME	MPS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible].67	- 1[illegible]74[illegible].9	+ 791235.9	+ 233263.9	+ 6.88	+ 3.48	+ 6.36	+ 105.68
ENV	[illegible]	+ [illegible].47	- 1[illegible]74[illegible].4	+ 791258.8	+ 233262.5	+ 6.96	+ 3.47	+ 6.50	+ 126.33
ERR	[illegible]	[illegible]4.7-	[illegible]3.4	17.1	62.5	0.07	0.00	0.13	20.64
AGC	TIME POINTS	+1[illegible].4[illegible]	- 5011[illegible]2.6	+ 2596115.4	+ 765[illegible]29.9	+ 22.58	+ 11.41	+ 20.87	+ 346.74
ENV	ANGLE POINTS	+17[illegible]2.3[illegible]	- 5011[illegible]2.2	+ 2595993.5	+ 765835.1	+ 22.84	+ 11.39	+ 21.32	+ 414.47

PIPTIME: [illegible] 05 P64: APPROACH TPIP: 3.98009260000 05

R AND RC			V AND VG	
1.725[illegible] 06	-4.34374 [illegible] 01	4.61062499999 02	-3.61680984457 00	2.18634605407 00	9.06162261962 00
1.[illegible] 02	[illegible]	-2.21124599999 02	-3.61251831054 00	3.77665029296 -02	1.35555267333 01

LAND			TTF		CG			AFC
1.7[illegible]	-2.759[illegible] 01	6.81624999999 02	-3.96377392578 01	0.99	-0.00	0.00		1.75567111000 00
				0.00	0.99	-0.06		
TRANSIENT 0.676				-0.00	0.06	0.99		

UNFC			UNWC	
9.54460[illegible]5667 -01	-2.703[illegible] -02	-2.97376161010 -01	-4.31668613121 -01	6.28702872617 -02	8.99838616322 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REGSS
THROTTLE:	5FC1[illegible].61	8[illegible]25.47	6	1124	1.7490	1.7556	1116	1124	8	0	8

	TIME	MCL	VERBENOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	5EC1[illegible].83	66	6 64	347	- 117	- [illegible]	1	327	29.46	40	- 2	9999

	CULTIME	CULX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]11.23	- .7573	17.7529	- 1.8347	0.0178	- 0.2837	0.3006	ACTUAL
	[illegible]11.2[illegible]	- [illegible]7.73	17.7539	- 1.3842	0.0494	- 0.3955	- 0.0109	DESIRED

FLIT [illegible] TAPE: [illegible] /EYLES /LUM 1B LANDING

	TIME	MASS	RN			VN			ALTITUDE
ACC	39[illegible]1.273	+ 801[illegible].36	- 1527427.9	+ 791301.9	+ 233375.9	+ 6.32	+ 2.79	+ 5.70	+ 97.74
ENV	398011.279	+ 911[illegible].55	- 1527482.0	+ 791265.1	+ 233438.8	+ 6.39	+ 2.79	+ 5.84	+ 119.09
ERR	0.00	94.1	44.0	36.8	62.8	0.07	0.00	0.13	21.34
ACC	IN POUNDS	+1767.87	- 5011246.7	+ 2596135.1	+ 765669.2	+ 20.74	+ 9.17	+ 18.72	+ 320.70
ENV	ABL POUNTS	+1788.53	- 5011358.4	+ 2596014.1	+ 765875.5	+ 20.99	+ 9.17	+ 19.17	+ 390.71

PIPTIME: 3.[illegible]112[illegible] 05

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P64: APPROACH
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TPIP: 3.9801126000 05

R AND VG				V AND VG			
1.7[illegible]3749 06	-3.9124399[illegible] 01	4.78062499999 02	-3.52301597595 00	2.11696624755 00	7.96761512756 00		
3.7749999[illegible]99 1	1.2499999999 -01	-1.95124999999 02	-3.51943966726 00	4.99726341796 -02	1.24591827392 01		

LAND			TTF	CG		AFC
1.7[illegible]7499 06	-2.5624[illegible] 01	6.72749999999 02	-3.76820410156 01	0.99 -0.00 0.00		1.76261877641 00
				0.00 0.99 -0.06		
TRANSIENT 0.32				-0.00 0.06 0.99		
LAND				UNWC		
[illegible]174 -01	-3.4097[illegible]6297 -02	-2.83483385904 -01	-4.48019050076 -01	6.17704739242 -02	8.91887514947 -01	

	TIME	MASS	FWEIGHT	FCCIC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]01[illegible].61	801[illegible].36	- 2	1127	1.7596	1.7626	1131	1127	- 4	0	- 4

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	396012[illegible]	64	64	321	- 115	- 0.37	1	294	27.44	36	- 8	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39[illegible]1[illegible].2[illegible]	- 3.7[illegible]3	17.0947	- 1.1535	- 0.0543	- 0.4319	- 0.7701	ACTUAL
	39[illegible]1[illegible]	- 0.7573	17.0397	- 1.3842	0.1043	- 0.5273	- 0.0329	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ [illegible]	- 1527415.9	+ 791305.9	+ 233387.9	+ 5.77	+ 2.19	+ 5.05	+ 89.62
ENV	[illegible]	+ [illegible]100.61	- 1527449.8	+ 791270.0	+ 233449.9	+ 5.85	+ 2.19	+ 5.19	112.07
ERR	[illegible]	[illegible]3.54	33.8	35.9	61.9	0.07	0.00	0.14	22.44
AGC	IN POUNDS	+17652.37	- 5011207.3	+ 2596148.2	+ 765708.6	+ 18.94	+ 7.21	+ 16.58	+ 294.04
ENV	ARL HOITS	+17858.61	- 5011318.2	+ 2596030.4	+ 765911.7	+ 19.19	+ 7.23	+ 17.04	+ 367.68

RPTIME: 3.9[illegible]1329[illegible]00 05 P64: APPROUAD TPIP: 3.98013280000 05

	R AND RG			V AND VG		
1.7[illegible]5E[illegible]24 06	-3.4[illegible]999999999 01	4.92599999999999 02	-3.40056419372 00	2.00018882751 00	6.93960189819 00	
[illegible]	1.4[illegible]999999999 -01	-1.71249999999999 02	-3.39736938476 00	1.29699707031 -02	1.14253997802 01	

	LAND		TTF		CG		AFC	
1.7[illegible]5E[illegible]7499 06	-2.[illegible]2499999999999 01	6.63874999999999 02	-3.56580273437 01	0.99 -0.00 0.00	1.77032081410 00			
				0.00 0.99 -0.06				
TRANSIENT 0.811				-0.00 0.06 0.99				

	UNFC			UNWC	
[illegible]5256[illegible]577 -01	-2.03144[illegible] -02	-2.70389644332 -01	-4.63881893819 -01	6.06708687442 -02	8.83817081908 -01

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]14.61	80[illegible]	4	1131	1.7646	1.7703	1125	1131	6	0	6

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMO
DISPLAYS:	2980[illegible]4.84	64	6 64	294	- 110	- 0.35	1	262	25.45	33	- 10	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITULE:	[illegible]15.28	- 3.7763	16.1718	- 1.1645	0.0632	- 0.5142	0.7207	ACTUAL
	493[illegible]15.23	- 3.7573	16.1608	- 1.3293	0.0439	- 0.4833	0.1098	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39 (15.[illegible]79	+ 7997.77	- 1527403.9	+ 791307.9	+ 233395.9	+ 5.21	+ 1.60	+ 4.46	+ 81.62
ENV	39[illegible]15.[illegible]79	+ 30[illegible]70	- 1527438.6	+ 791273.8	+ 233459.7	+ 5.30	+ 1.60	+ 4.60	+ 105.30
ERR	0.[illegible]0	9.92	34.6	34.1	63.7	0.08	0.00	0.14	23.68
AGC	IN POUNDS	+17631.90	- 5[illegible]1116.9	+ 2596154.8	+ 765734.9	+ 17.12	+ 5.26	+ 14.65	+ 267.79
ENV	AND [illegible]CTS	+17836.76	- [illegible]11281.7	+ 2596042.8	+ 765943.9	+ 17.39	+ 5.26	+ 15.11	+ 345.49

PIPTIME: [illegible] C5 P64: APPROACH TPIP: 3.980152800[illegible]00 05

		AND [illegible]						V AND VG					
1.7[illegible]7[illegible]246	06	-3.[illegible]624[illegible]	01	5.05874999999	02	-3.26068985908	00	1.93443298339	00	5.94806671142	00		
8.17499999[illegible]	01	0.0		-1.49499999999	02	-3.29813293457	00	2.17437744140	-02	1.04314711425	01		
		LAND				TTF		CG				AFC	
1.7[illegible]5851-7499	06	-2.[illegible]87409[illegible]	01	6.54999999999	02	-3.36842041015	01	0.99	-0.00	0.00		1.77953159436	00
								0.00	0.99	-0.06			
		TRANSIENT [illegible]797						-0.00	0.06	0.99			
		UNFC						UNWC					
9.5[illegible]21797[illegible]	-01	-1.947[illegible]3[illegible]	-02	-2.56989458308	-01	-4.79554067948	-01	5.97000863612	-02	8.75479180564	-01		

	TIME	MASS	FWEIGHT	FCCLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]16.62	7997.77	0	1135	1.7656	1.7795	1133	1135	2	0	2

	TIME	MODE	VERBCON	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]16.[illegible]	64	[illegible] 64	268	- 106	- 0.33	1	231	23.45	30	- 12	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]17.[illegible]	- 3.[illegible]	15.3918	- 1.4611	- 0.0289	- 0.3684	- 0.3701	ACTUAL
	[illegible]17.23	- 3.[illegible]	15.2819	- 1.3645	0.0494	- 0.4724	0.0109	DESIRED

	TI[illegible]	MASS	RN		VN		ALTITUDE
AGC	[illegible]	+ 79[illegible]	- 1527591[illegible]	+ 791311.9	+ 2334C3.9	+ 4.65	+ 1.05	+ 3.90	+ 73.99
ENV	[illegible]	+ 80[illegible]	- 1527428.6	+ 791276.5	+ 2334685.3	+ 4.74	+ 1.07	+ 4.02	+ 98.91
ERR	[illegible]	[illegible].25	36.6	35.4	64.3	0.08	0.02	0.11	24.91
AGC	IN POUNDS	+17611.44	- 5[illegible]1112806	+ 2596167.9	+ 765761.1	+ 15.26	+ 3.46	+ 12.82	+ 242.78
ENV	AN[illegible]FTS	+17814.83	- 5011248.7	+ 2596051.6	+ 765972.1	+ 15.55	+ 3.53	+ 13.20	+ 324.52

FIFTIME: 3.5[illegible]1728[illegible] C5

PEG4: APPROLAD

TPIP: 3.98017280000 05

	R AND RC				V AND VG			
1.73596[illegible]7459 06	-2.7312499[illegible] 01	5.16812499999 02	-3.[illegible]8790206909 00	1.87110900878 00	4.99987602233 00
7.[illegible] 01	[illegible]	-1.29624.99999 02	-3.[illegible]8570661816 00	2.78472900390 -02	9.48143005371 00

	LAND				TTF		CG			AFC
1.73580187439 06	-1.84999999999 01	6.46124999999 02	-3.17414501953 01	0.99	-0.00	0.00	1.78943388164 00
				0.00	0.99	-0.06	
TRANSIENT 0.745				-0.00	0.06	0.99	

	UNF				UNWC		
[illegible]	-1.907[illegible]1317 -02	-2.44406280705 -01	-4.95788289144 -01	5.89671863227 -02	8.66439174601 -01

	TIME	MASS	WEIGHT	FCOLE	AF	AFC	FP	FC	RIF	RIFPSET	REG55
THROTTLE:	398018.61	7988.50	6	1140	1.7746	1.7894	1131	1140	9	0	9

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398018.87	64	6 64	243	- 100	- 0.31	1	202	21 45	27	- 12	9999

	COLTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398018.20	- 3.7[illegible]E3	14.2053	- 0.5118	- 0.0050	- 0.1501	- 0.2526	ACTUAL
	398019.28	- [illegible].7[illegible]7	14.4580	- 1.1645	0.0604	- 0.4284	0.0549	DESIRED

	TIME	MASS	FN			VN			ALTITUDE
AGC	[illegible]	+ 7[illegible]	- 1527283.5	+ 791311.9	+ 232411.9	+ 4.08	+ 0.55	+ 3.36	+ 68.18
ENV	359C1[illegible].279	+ 3C7[illegible]	- 1527419.6	+ 791278.2	+ 232475.8	+ 4.17	+ 0.58	+ 3.48	+ 92.82
ERR	0.0	1.56	35.6	33.7	63.8	0.08	0.02	0.12	24.63
AGC	IN POUNDS	+175 1.01	- 5C111[illegible]2.3	+ 2596167.9	+ 765787.4	+ 13.39	+ 1.83	+ 11.04	+ 223.71
ENV	AND FEETS	+177-[illegible].84	- 5C1121[illegible]9.4	+ 2596057.1	+ 765996.9	+ 13.68	+ 1.93	+ 11.44	+ 304.54

PIPTIME: 3.9[illegible]019 [illegible]0000 C5

P64: APPROUAL

TPIP: 3.98019280000 05

		AND VG								V AND VG					
1.7[illegible]	[illegible]	-2.036.4949[illegible]	[illegible]	1	5.2593749999	02	-2.8869628906	00	1.79324150085	00	4.09593582153	00			
6.8[illegible]	[illegible]	1.024[illegible]	[illegible]	1	-1.1162499999	02	-2.8850555419	00	1.3351440429[illegible]	-02	8.5739125742[illegible]	00			
		LAND					TTF		CG				AFC		
1.[illegible]	[illegible]	-1.0[illegible]	[illegible]	01	6.3724999999	02	-2.0741451953	01	0.99	-0.00	0.00		1.78195070475	00	
									0.00	0.99	-0.06				
		TRANSIENT	[illegible].54						-0.00	0.06	0.99				
		LAPS							UNWC						
.72 [illegible]	[illegible]	-1.77[illegible]	[illegible]	-02	-2.3338834411[illegible]	-01	-5.2149309008[illegible]	-01	5.72519333448	-02	8.51232566668	-01			

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	[illegible]58020.57	7[illegible]5.23	- 4	1124	1.7845	1.7815	1142	1134	- 8	0	- 8

	TIME	MODT	VERBANUN	H	HDCT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	[illegible]2.81	[illegible]4	6 64	224	- 94	- 0.29	1	174	19.46	23	2	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	980 1.2[illegible]	- [illegible].12	14.0625	- 1.2524	0.0304	- 0.1212	0.3271	ACTUAL
	9801.28	- [illegible].7573	13.7998	- 1.3[illegible]96	0.0659	- 0.4284	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 7969.07	- 1527377.9	+ 791313.9	+ 233417.9	+ 3.50	+ 0.11	+ 2.85	+ 64.24
ENV	[illegible]	+ 7969.92	- 1527411.9	+ 791278.9	+ 233482.3	+ 3.59	+ 0.14	+ 2.97	+ 87.19
ERR	[illegible]	90.54	33.9	35.0	64.3	0.09	0.02	0.12	22.94
AGC	IN PROGRESS	+17570.61	- 5011082.6	+ 2596174.5	+ 765807.0	+ 11.49	+ 0.39	+ 9.35	+ 210.79
ENV	AND EFFECTS	+17770.88	- 5011194.0	+ 2596059.5	+ 766018.1	+ 11.80	+ 0.47	+ 9.76	+ 286.08

PIPTIME: 9.98022280000 05 PGS: APPROACH TPIP: 3.98021260000 05

	R AND RG			V AND VG	
	1.73589612455 05	-2.01245999999 01	5.33249999999 02	-2.64539718627 00	1.70717239375 00	3.24144363403 00
	6.42459999999 01	-1.24599999999 -01	-9.53749999999 01	-2.64356667480 00	-8.77380371093 -03	7.71560668945 00

	LAND		TTF	CG			AFC
	1.73589187899 06	-1.37499999999 01	6.28374999999 02	-2.77414501953 01	0.99 -0.00 0.00		1.75338238477 00
					0.00 0.99 -0.06		
	TRANSIENT 0.469				-0.00 0.06 0.99		

	UNFC				UNWC	
	-6.74047274217 -01	-1.51821374113 -02	-2.25834894135 -01	-5.58851964350 -01	5.54213175655 -02	8.27413415108 -01

	TIME	MASS	EWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398022.61	7979.97	- 16	1115	1.7945	1.7533	1137	1115	- 22	0	- 22

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398022.64	64	6 64	211	- 86	- 0.27	1	148	17.48	20	15	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITULE:	398023.28	- 3.7502	13.4472	- 1.2414	- 0.0308	- 0.6243	- 0.2098	ACTUAL
	398023.27	- 3.7572	13.1945	- 0.8896	0.0109	- 0.3076	0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39[illegible]	+ 79[illegible]0.72	- 1527273.9	+ 791315.9	+ 233423.9	+ 2.97	- 0.32	+ 2.37	+ 61.74
ENV	398023.279	+ 3050.94	- 1527405.2	+ 791276.7	+ 233487.7	+ 3.06	- 0.30	+ 2.50	+ 82.01
ERR	0.00	90.20	31.2	37.2	63.7	0.09	0.02	0.12	20.26
AGC	IN FCUNTS	+1755[illegible].23	- 5011065.5	+ 2596191.1	+ 765826.7	+ 9.74	- 1.05	+ 7.80	+ 202.59
ENV	AN[illegible] TOUNTS	+1774.1[illegible]	- 5011172.1	+ 2596358.9	+ 766036.0	+ 10.06	- 0.99	+ 8.20	+ 269.06

PIPTIME: 3.9[illegible] 05 PAG: APPROUAL TPIP: 3.98023280000 05

R AND V AND VG

1.7[illegible]	06	-1.6749[illegible]	01	5.3893745[illegible]999	02	-2.4413585[illegible]628	00	1.64809226989	00	2.42938995361	00
6.1[illegible]	01	1.2459[illegible]	00	-8.07409999999	01	-2.44026184082	00	-1.02996872171	-02	6.90116882324	00

LAND TTF CG AFC

1.7[illegible]	06	-1.3374[illegible]999	01	6.1945999999999	02	-2.5702905273[illegible]	01	0.99	-0.00	0.00	1.71268824487	00	
								0.00	0.99	-0.06			
								-0.00	0.06	0.99			

TRANSIENT 0.364

LNFC UNWC

6.7596676[illegible]	-01	-1.4598412182[illegible]	-02	-2.19663139204	-01	-6.07488571371	-01	5.28622490763	-02	7.92567484997	-01		

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398024.61	7967.73	- 16	1087	1.7746	1.7126	1111	1087	- 23	0	- 23

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	98024.87	54	6 64	203	- 79	- 0.25	1	125	15.51	19	24	9999

	CDUTIME	CDUX	CDUY	CDUZ	CMEGAX	CMEGAY	CMEGAZ	
ATTITUDE:	8[illegible]25.28	- 3.7683	12.6672	- 0.2636	- 0.0000	- 0.3574	- 0.2436	ACTUAL
	5805.28	- 3.7573	12.7551	- 0.7250	0.0109	- 0.2636	0.0000	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	[illegible]	+ 7951.49	- 1527369.9	+ 791315.9	+ 233427.9	+ 2.49	- 0.75	+ 1.88	+ 59.93
ENV	3980[illegible]6.270	+ 041.16	- 1527399.6	+ 791277.7	+ 233492.3	+ 2.59	- 0.73	+ 2.02	+ 77.17
ERR	0.00	89.66	29.6	38.2	64.3	0.10	0.02	0.13	17.23
AGC	IN POUNDS	+17520.87	- 5011056.4	+ 2596181.1	+ 765839.8	+ 8.19	- 2.45	+ 6.18	+ 196.64
ENV	AND FEETS	+17727.55	- 5011163.6	+ 2596055.5	+ 766050.9	+ 8.52	- 2.39	+ 6.62	+ 253.20

PIPTIME: [illegible] C5 P64: APPROACH TPIP: 3.980252E0000 05

	R AND RG			V AND VG	
1.72[illegible]1.49 0[illegible]	-1.[illegible]5624[illegible] 01	5.42999999999 02	-2.28981971740 00	1.56035423278 00	1.63666817810 00
5.99[illegible] 01	[illegible]	-6.77499999999 01	-2.28919982910 00	-4.34875488281 -02	6.10427856445 00

LAND		TTF	CG	AFC
1.7[illegible]9851[illegible]745 0[illegible]	-[illegible]999999999 00	6.10624999999 02	-2.37461328124 01	0.99 -0.00 0.00	1.66827114298 00
				0.00 0.99 -0.06	
TRANSIENT 0.529				-0.00 0.06 0.99	

UNFC				UNWC	
[illegible]7716671[illegible]7 -[illegible]	-[illegible]3144[illegible]641 -03	-2.12269777979 -01	-6.62442041128 -01	5.04217771813 -02	7.47414333908 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFRSET	REG55
THROTTLE:	398026.61	7951.49	- 24	1058	1.7446	1.6682	1090	1058	- 32	0	- 32

	TIME	MODE	VERBNOUN	H	RDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398[illegible]26.[illegible]7	64	6 64	157	- 74	- 0.23	0	105	13.[illegible]4	17	28	9999

	CDLTIME	CDLX	CDLY	CDLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]027.28	- 3.[illegible]1[illegible]	12.2607	- 0.9997	0.0314	- 0.3560	0.7551	ACTUAL
	[illegible]8.27.23	- 3.[illegible]122	12.3156	- 0.6152	- 0.2087	- 0.2746	0.2087	DESIRED

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          TIME      |    MASS    |          RN                |          VN                |    ALTITUDE
AGC   [illegible]   | + 7942.76  | - 1527287.9 + 791313.9 + 232431.9 | + 2.12 - 1.21 + 1.50 | + 58.56
ENV   [illegible]   | + 8031.62  | - 1527392.8 + 791275.8 + 233495.9 | + 2.20 - 1.18 + 1.63 | + 72.58
ERR   [illegible]   |   8.86     |       26.8      38.1       63.9 |   0.08   0.03   0.12 |   14.02

AGC   IN FEETS      +175170.61   | - 5011C45.8 + 2596174.5 + 765853.0 | + 6.97 - 4.00 + 4.94 | + 192.13
ENV   AND FEET/S    +177[illegible].51 | - [illegible]11137.5 + 2596149.2 + 766062.8 | + 7.24 - 3.88 + 5.35 | + 238.14

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      PIPTIME:      [illegible]C5         P64:  APPROQUAD                          TPIP:      3.98027280000 05
                                          ||||||||||||||

                R AND VG                                                V AND VG
 1.7359504374[illegible] C6  -1.[illegible]99 C1   5.455624599,99 C2  -2.22353535241 00   1.5645503997[illegible]8 00   9.38129425048 -01
 5.86[illegible]455[illegible] 01  [illegible]   -5.6376999[illegible]999 01  -2.2232055664C 00   3.4332275390[illegible] -03   5.4077148437[illegible] 00

                LAND                                    TTF                          CG                          AFC
 1.7359[illegible] 06  -6.0624-5.[illegible]99 00   6.0174999999 C2  -2.16975527734 C1   0.99 -0.00  0.00   1.62845244631 00
                                                                                       0.00  0.99 -0.06
                TRANSIENT   .398                                                     -0.00  0.06  0.99

                UNFC                                                    UNWC
 9.7810[illegible] -01  -1.4412C31[illegible]065 -02  -2.07621913244 -01  -7.20767392277 -01   4.68791799855 -02   6.91589985984 -01

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          TIME        MASS      FREIGHT   FCCLL      AF       AFC       FP       FC      PIF    PIPSET   REG55
THROTTLE: [illegible]98028.57  7942.73  -  16   1032   1.7046   1.5284   1056   1032  -  24      0  -  24

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          TIME       MODE  VERBNOUN   H      HDOT      TTF      RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS: [illegible]21.61   64   6  64   192  -  71  - 0.21      0       93    11.58      14       30     9999

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          CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE: [illegible]29.2[illegible]  -  3.7[illegible]3   11.0531    0.0219  - 0.0018   0.0697  - 0.2239     ACTUAL
          [illegible]29.23  -  3.5977   11.9311  -  0.3405   0.1043  - 0.1098  - 0.1977     DESIRED

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          TIME        |   MASS    |          RN                |                VN                |   ALTITUDE
AGC   [illegible]0.270 | + 7934.03 | - 1527367.9 + 791313.9 + 233435.9 | + 1.82 - 1.70 + 1.10 | + 56.99
ENV   [illegible]0.270 | + 8022.40 | - 1527390.7 + 791272.9 + 233498.7 | + 1.90 - 1.64 + 1.22 | + 68.06
ERR       0.00         |   35.34   |      22.7      41.0       62.7   |   0.08   0.05   0.11 |   11.06

AGC   IN FEETS    +17491.37 | - 5011049.8 + 2596174.5 + 765866.1 | + 5.57 - 5.58 + 3.62 | + 187.00
ENV   AND FEETS   +17686.15 | - 5011124.5 + 2596039.9 + 766072.1 | + 6.26 - 5.40 + 4.00 | + 223.31

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                                          |||||||||||||
PIPTIME:        3.9[illegible]0232860000  05          P64:  APPROACH                    TPIP:        3.980292800000  05
                                          |||||||||||||

                    R AND C                                                    V AND VG
1.7[illegible]5468[illegible]7455  06  -7.[illegible]7455[illegible]999  00   5.46749999999  02  -2.23035812377  00   1.549673[illegible]44  00   2.42185592651 -01
5.6[illegible]5[illegible]9[illegible]  01  [illegible]  -4.62499999999  01  -2.23007202148  00   3.356933[illegible]9375 -02   4.71229553222  00

                    LAND                                       TTF                      CG                      AFC
1.7[illegible]5[illegible]187455  06  -4.[illegible]4999999999  00   5.92874999999  02  -1.96975927734  01   0.99 -0.00  0.00   1.60163501277  00
                                                                                        0.00  0.99 -0.06
                                                                                       -0.00  0.06  0.99
                    TRANSIENT  0.536

                    UNFC                                                       UNWC
[illegible]2.154558 -01  -1.7[illegible]34656149 -02  -1.99074575817 -01  -7.76673[illegible]6137 -01   4.24838912064 -02   6.28468597502 -01

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          TIME        MASS     FWEIGHT   FCOLC     AF        AFC       FP        FC      PIF    PIFPSET   REG55
THROTTLE:  [illegible]0.60  79.[illegible]3  -  14    1014    1.6596    1.6016    1034    1014  -  20       0  -  20

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          TIME      MODE  VERBNOUN    F     FDOT     TTF     RANGE   ABVEL   TTF LPD  FORVEL  DELTAH  THRCMD
DISPLAYS:  [illegible]84   64    [illegible]64   187  -  72  - 0.19     0      89     9.63     11      27     9999

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          CDUTIME      CDUX        CDUY        CDUZ        OMEGAX      OMEGAY      OMEGAZ
ATTITUDE:  [illegible]2-  -  3.7463   11.6894  -  0.0549  - 0.0060  - 0.4131  - 0.1626     ACTUAL
           [illegible]28  -  3.[illegible]122   11.6564  -  0.5603    0.3350  - 0.2416  - 0.1977     DESIRED

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	TIME	MASS	KN			VN			ALTITUDE
AGC	[illegible]	+ 792[illegible].80	- 1527385.9	+ 791309.9	+ 233437.9	+ 1.62	- 2.15	+ 0.71	+ 55.18
ENV	398031.279	+ 9013.37	- 1527387.1	+ 791255.2	+ 233500.8	+ 1.70	- 2.11	+ 0.82	+ 63.45
ERR	0.0[illegible]	9.57	21.1	40.7	62.8	0.08	0.04	0.10	8.27
AGC	IN FRONTS	+17473.2[illegible]	- 5[illegible]1104.3	+ 2556161.4	+ 765872.7	+ 5.32	- 7.07	+ 2.35	+ 181.06
ENV	[illegible] FRONTS	+17666.2[illegible]	- 5011112.7	+ 2596027.6	+ 766078.8	+ 5.59	- 6.92	+ 2.70	+ 208.19

PIPTIME: 3.98031280000 05 P64: APPROVAC TPIP: 3.98031280000 05

R AND [illegible]				V AND VG			
0.7[illegible]7 6249 06	-4.31[illegible]499 9949 01	5.46624999999 02	-2.31461524963 00	1.51534080505 00	-3.80754470825 -01		
0.5249[illegible] 9999 01	1.24[illegible]9[illegible]999 -01	-3.74999999999 01	-2.31475830078 00	4.23421396484 -02	4.08859252929 00		

LAND			TTF	CG		AFC
1.73[illegible]187409 06	-1.87499[illegible]99 00	5.83999999999 02	-1.76341406249 01	0.99 -0.00 0.00		1.59855458721 00
				0.00 0.99 -0.06		
TRANSIENT 0.446				-0.00 0.06 0.99		

LNFC				UNWC	
0.61[illegible]147 706 -01	-2.05476[illegible]8472 -02	-1.91878845867 -01	-6.81107172758 -01	4.75794067743 -02	7.30836174349 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3980[illegible]2.62	792[illegible].80	0	1004	1.6146	1.5885	1007	1004	- 2	0	- 2

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3980[illegible]2.8	64	6 04	181	- 75	- 0.17	0	91	7.67	10	26	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398033.2[illegible]	- 0.046	11.1401	- 1.2414	0.3098	0.1317	- 0.4276	ACTUAL
	398033.2[illegible]	- 0.2469	11.2609	- 0.7800	0.1318	- 0.1977	- 0.1647	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible] 79	+ 7917.57	- 1527305.9	+ 791307.9	+ 233437.9	+ 1.45	- 2.63	+ 0.32	+ 53.06
ENV	29[illegible]3.279	+ 80[illegible]4.47	- 1527383.9	+ 791264.5	+ 233502.1	+ 1.52	- 2.58	+ 0.43	+ 58.63
ER	[illegible]	96.8	17.9	43.4	64.1	0.07	0.04	0.10	5.57
AGC	TH POUNDS	+174550.0	- 5011043.3	+ 2596154.6	+ 765872.7	+ 4.76	- 8.65	+ 1.07	+ 174.08
ENV	[illegible]NL POUNDS	+176[illegible]	- 5011102.0	+ 2596012.2	+ 766083.0	+ 5.01	- 8.49	+ 1.43	+ 192.38

FIPTIME: 3.9803328 00 05 P64: APPROAD TPIP: 3.98033280000 05

R AND RC			V AND VG		
1.7[illegible] 6	-1.31249 [illegible] 00	5.45249999999 02	-2.43549346923 00	1.48949623107 00	-1.00998878479 00
5.3124[illegible] 01	1.24[illegible] -01	-2.08749999999 01	-2.43568420410 00	6.75201416015 -02	3.45878601074 00

LAND		TTF	CG			AFC
1.7[illegible] 6	4.9[illegible] -01	5.75124999999 02	-1.55603955078 01	0.99 0.00 0.00		1.59151386469 00
				0.00 0.99 -0.06		
TRANSIT AT 0.822				-0.00 0.06 0.99		

UNFC			UNWC		
0.83741 [illegible]6596 -01	-2.348[illegible]19245 -02	-1.78051137541 -01	-3.23897487828 -01	5.71655131568 -02	9.44363553661 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	FIFFSET	REG55
THROTTLE:	29[illegible]34.59	7917.57	- 6	1005	1.6046	1.5915	1013	1005	- 8	0	- 8

	TIME	MODE	VERENCUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	29[illegible]34.83	64	6 64	174	- 78	- 0.15	0	98	5.72	7	25	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	2[illegible]5.2[illegible]	- 0.8674	10.8584	- 0.6481	0.3342	0.2936	- 0.0699	ACTUAL
	29803[illegible]5.28	- [illegible]761	10.8764	- 0.9997	0.0384	- 0.4943	- 0.2087	DESIRED

	TIME	MASS	XN			VN			ALTITUDE
ACC	[illegible]	+ 7[illegible]	- 1527[illegible]3.9	+ 7913[illegible]	+ 233439.9	+ 1.31	- 3.05	- 0.07	+ 50.37
ENV	3[illegible]5.279	+ 7995.59	- 1527[illegible]9.9	+ 7912[illegible]	+ 233502.6	+ 1.38	- 3.02	+ 0.04	+ 53.57
ERR	[illegible]	[illegible]	169	430	626	0.06	0.02	0.12	3.20
ACC	IF PEDNES	+1743[illegible]	- 5011036.7	+ 2596135.1	+ 765879.2	+ 4.32	- 10.00	- 0.2[illegible]	+ 165.27
ENV	[illegible] FOLTS	+17627.[illegible]	- 5011092.4	+ 2595993.7	+ 766084.7	+ 4.53	- 9.92	+ 0.15	+ 175.77

PIPTIME: [illegible]09[illegible]3528[illegible]000 05 P64: APPROACH TPIP: 3.9803528000[illegible] 05

	R AND RG			V AND VG		
1.7[illegible]	24.99 06	1.6266[illegible]0099 00	5.4262495999999 02	-2.5614261627[illegible]1 00	1.4062404[illegible]325 00	-1.5876293182[illegible] 00
9.0[illegible]5749[illegible]59 01	2.4959[illegible]99 -01	-2.3626499999999 01	-2.5619506835[illegible] 00	3.4713745[illegible]171 -02	2.8770446777[illegible] 00	

	LAND		TTF	CG			AFC
1.735[illegible]187459 06	2.6749[illegible]99999	5.6624999999999 02	-1.3560395550[illegible]78 01	0.99	0.00	0.00	1.6207597218[illegible]4 00
				0.00	0.99	-0.05	
	TRANSIENT 0.990			-0.00	0.05	0.99	

	LNFC				UNWC	
9.8[illegible]79[illegible]7[illegible]97 -01	-1.9407[illegible]8135637 -02	-1.6151294498[illegible]8 -01	-2.4415851854[illegible]6 -04	5.2738240006[illegible]1 -02	9.9860[illegible]340856 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	598035.62	79[illegible]9.35	18	1022	1.5896	1.6207	997	1022	25	0	25

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	98036.88	4	6 64	165	- 83	- 0.13	0	109	3.75	6	22	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]98037.29	- 2.7795	9.9206	- 1.5380	0.0340	- 0.4640	0.3444	ACTUAL
	[illegible]8037.28	- 0.0761	9.9575	- 1.1755	0.0088	- 0.5163	- 0.0109	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]37[illegible]79	+ 79[illegible]14	- 1527353.9	+ 791295.9	+ 233439.9	+ 1.20	- 3.46	- 0.44	+ 47.18
ENV	398[illegible]37[illegible]79	+ 79[illegible].64	- 1527376.2	+ 791252.4	+ 233502.3	+ 1.27	- 3.42	- 0.30	+ 48.23
ERR	[illegible]	85.49	14.2	43.5	62.3	0.06	0.03	0.13	1.04
AGC	TR PLUNTS	+17418.86	- 5011036.7	+ 2596115.4	+ 765879.2	+ 3.96	- 11.35	- 1.46	+ 154.81
ENV	ANL FCTS	+1760[illegible]7.34	- 5011093.6	+ 2595972.6	+ 766083.8	+ 4.18	- 11.23	- 1.01	+ 158.25

PIFTIME: 3.980372[illegible]0000 05

P64: APPROQUAD

TPIP: 3.98037280000 05

R AND RE				V AND VG			
1.7359[illegible]0024	06	4.374[illegible]	00	5.38937499999	02	-2.65966125488	00	1.34869621826	00	-2.12974548339	00
4.724[illegible]	01	1.4[illegible]	-01	-1.84999999999	01	-2.70042419433	00	2.82287597656	-02	2.33192443847	00

LAND			TTF		CG			AFC	
1.73589187495	06	5.24999999999	00	5.57374999999	02	-1.15603955078	01	0.99 0.00 0.00	1.68551225215	00
								0.00 0.99 -0.05		
TRANSIENT 1.028								-0.00 0.05 0.99		

UNFC								UNWC			
5.89465513996	-01	-1.39454790757	-02	-1.41041316036	-01	-2.44158518546	-04	5.27382400061	-02	5.98608340856	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398038.47	7901.14	32	1062	1.5796	1.6855	1014	1062	48	0	48

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398038.71	64	6 64	155	- 88	- 0.11	0	120	1.77	5	20	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398039.23	- 2.7575	8.9428	- 0.9008	0.0140	- 0.5221	- 0.1192	ACTUAL
	398039.28	- 3.701	8.9868	- 1.1096	0.0769	- 0.7141	0.1208	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
ACC	[illegible]	+ 7892.46	- 1527261.9	+ 7912909	+ 2334379	+ 0.97	- 3.77	- 0.78	+ 43.37
ENV	[illegible]	+ 7977.54	- 1527375.9	+ 7912452	+ 2335013	+ 1.05	- 3.76	- 0.65	+ 42.75
ERR	[illegible]	94.08	13.9	44.7	63.3	0.08	0.02	0.13	0.62
ACC	IN [illegible]	+17394.72	- [illegible]1100.1	+ 2556095.8	+ 7658726	+ 3.20	- 12.39	- 2.57	+ 142.30
ENV	AN [illegible]	+17587.29	- [illegible]1107.8	+ 2595949.1	+ 7660806	+ 3.46	- 12.30	- 2.14	+ 140.25

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PIPTIME: [illegible] 05 — P65: VERTICAL — TPIP: 3.98039280000 05

		AND FG						V AND VG					
1.7[illegible]	0[illegible]	6.97[illegible]	0[illegible]	5.34187459999	02	-2.68640518188	00	1.28250122070	00	-2.64329910278	00		
4.35749[illegible]	01	[illegible]	-01	-1.43749999990	01	-2.68707275390	00	-1.02996826171	-02	1.81575569843	00		
		LAND				TTF		CG				AFC	
1.7[illegible]	0[illegible]	7.62499[illegible]	00	5.48499999999	02	-9.56039550781	00	0.99	0.00	0.00	1.81330367922	00	
								0.00	0.09	-0.05			
		TRANSIENT	0.442					-0.00	0.05	0.99			
		UNFC						UNWC					
9.95[illegible]	-01	-4.72003[illegible]727	-02	-9.97318232795	-02	-2.44158518546	-04	5.27382400061	-02	9.98608340856	-01		

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	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398040.30	7832.46	44	1141	1.6446	1.8133	1068	1141	73	0	73

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	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	393 [illegible]	65	6 64	142	- 87	- 0 9	0	130	0 79	2	15	9999

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	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39[illegible]041.20	- 2.7575	7.6025	- 0.5493	- 0.1352	- 0.8877	0.4839	ACTUAL
	39[illegible]041.28	- 3.761	7.2070	- 0.7350	0.0000	- 1.3293	0.2856	DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]41.274	+ 7883.30	- 1527301.9	+ 791283.9	+ 232435.9	+ 0.60	- 3.98	- 1.08	+ 39.49
ENV	[illegible]41.270	+ 7887.92	- 1527374.1	+ 791237.5	+ 232499.7	+ 0.67	- 3.96	- 0.94	+ 37.44
ERR	[illegible]	4.61	1.1	46.4	63.7	0.07	0.02	0.14	2.05
AGC	IN POUNDS	+1737.55	- 5011030.1	+ 25969763.1	+ 7658661	+ 1.97	- 13.07	- 3.57	+ 129.59
ENV	AND FEETS	+1756.08	- 5011070.0	+ 25959233.7	+ 7660754	+ 2.21	- 12.99	- 3.08	+ 122.85

FIRTIME: 3.98041[illegible] 0[illegible] 0[illegible]

PEF: VERTICAL

TPIP: 3.98041280000 05

	R AND RG			V AND VG		
1.7259[illegible]1374[illegible] 06	3.4555[illegible] 00	5.2843749[illegible] 02	-2.49242782592 00	1.20873451232 00	-3.12242507934 00
[illegible] 01	1.2455[illegible] -01	-1.1245555[illegible] 01	-2.49328613281 00	-5.91278076171 -02	1.33323669433 00

	LAND		TTF	CG			AFC
1.7258[illegible]187455 06	5.55555[illegible] 00	5.3962455[illegible] 02	-7.56039550781 00	0.99 [illegible] 0.00			1.78579244083 00
				0.00	0.99	-0.05	
	TRANSIEIT 1.483			-0.00	1.05	0.99	

	UNFC			UNWC	
[illegible]5723[illegible]17 13 -01	-6.34825741776 -04	-7.42672745041 -02	-2.44158518546 -04	5.27382400061 -02	5.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REG55
THRDTTLE:	398042.23	7831.0	- 6	1125	1.7396	1.7857	1138	1125	- 13	0	- 13

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	398042.61	65	6 60	130	- 81	- 0 7	0	137	0 79	1	13	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	[illegible]43.23	- 2.8554	4.7131	- 0.5932	- 0.0021	- 1.0879	0.4184	ACTUAL
	398043.2[illegible]	- 3.761	4.9216	- 0.2526	0.0000	- 0.9667	0.1428	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]0.279	+ 7875.68	- 1527361.9	+ 791275.9	+ 233433.9	+ 0.11	- 4.05	- 1.25	+ 35.93
ENV	398043.279	+ 7907.86	- 1527373.2	+ 791229.5	+ 233497.7	+ 0.18	- 4.02	- 1.12	+ 32.74
ERR	0.000	4.18	11.2	46.4	63.7	0.07	0.00	0.13	3.18
AGC	IN FEETS	+17356.32	- 5011030.1	+ 2596045.8	+ 765855.5	+ 0.38	- 13.28	- 4.12	+ 117.90
ENV	AND FOOTS	+17543.90	- 5011067.1	+ 2595897.5	+ 766068.6	+ 0.62	- 13.26	- 3.68	+ 107.44

PIPTIME: 3.98043210 00 C5 P65: VERTICAL TPIP: 2.98043260000 05

	R AND SQ					V AND VG						
1.73592761249	06	1.13749[illegible]9	01	5.21812499999	02	-2.11682319641	00	1.18489265441	00	-3.48048210144	00	
2.5993[illegible]	01	0.0		-8.99999999990	00	-2.11761992187	00	-6.37054443359	-02	9.74655151367	-01	
	LAND					TTF		CG		AFC		
1.73559[illegible]	06	1.23[illegible]	01	5.30749999999	02	-5.56039990781	00	0.99	0.00	0.00	1.75000168383	00
								0.00	0.99	-0.05		
	TRANSIENT	1.079						-0.00	0.05	0.99		
	UNFC							UNWC				
[illegible]8457[illegible]521	-01	6.94[illegible]1	-04	-5.55147341757	-02	-2.44158518546	-04	5.27382400061	-02	9.93608340856	-01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398044.59	7973.65	- 22	1099	1.8195	1.7500	1137	1099	- 38	0	- 38

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398044.59	65	6 60	118	- 69	- 0 5	0	139	0 79	1	10	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398045.25	- 2.443	3.0212	0.3076	- 0.0616	- 0.6083	- 0.2141	ACTUAL
	398045.25	- 4.761	3.3178	- 0.0329	0.0000	- 0.7031	0.0988	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 7[illegible]4.54	- 1527263.9	+ 791267.9	+ 233431.9	- 0.27	- 4.04	- 1.36	+ 32.81
ENV	[illegible]46.279	+ 794[illegible].02	- 1527373.3	+ 791221.4	+ 233495.3	- 0.20	- 4.04	- 1.22	+ 28.78
ERR	[illegible]	83.47	9.3	46.5	63.3	0.06	0.00	0.13	4.02
AGC	IN PEUNDS	+17[illegible]8.1[illegible]	- 5011036.7	+ 2596023.6	+ 765853.0	- 0.88	- 13.28	- 4.47	+ 107.65
ENV	ARE FEETS	+17522.20	- 5011067.3	+ 2595870.9	+ 766060.8	- 0.66	- 13.26	- 4.03	+ 94.43

FIPTIME: 3.98045280000 05 PES: VERTICAL TPIP: 3.98045280000 05

	R AND RC			V AND VG	
1.73559668745 06	1.42499999999 01	5.14624999999 02	-1.78952217102 00	1.15895271301 00	-3.71208190917 00
3.28740[illegible] 01	0.	-7.24999999999 00	-1.79061885648 00	-7.74393544921 -02	7.41577148437 -01

	LAND		TTF	CG			AFC
1.73589167499 06	1.47499999999 01	5.21874999999 02	-3.56039550781 00	0.99	0.00	0.00	1.71621097251 00
				0.00	0.99	-0.05	
	TRANSIENT 0.717			-0.00	0.05	0.99	
	UNFC			UANC			
9.99[illegible]8598.54 -01	2.224127.875 -03	-4.30927620866 -02	-2.44158518546 -04	5.27382400061 -02			9.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	FIFPSET	REG55
THROTTLE:	398046.22	7864.54	- 12	1077	1.7895	1.7162	1101	1077	- 24	0	- 24

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398046.51	65	6 60	108	- 58	- 0.3	0	140	0.78	0	8	9999

	COLTIME	COLX	COLY	COLZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398047.23	- 3.102	2.1093	- 0.1538	- 0.0222	- 0.3405	0.1107	ACTUAL
	398047.20	- 3.1761	2.1752	0.0988	0.0000	- 0.4394	0.0878	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39[illegible]47.[illegible]	+ 7885.42	- 1527363.9	+ 7912599.9	+ 2334290.9	- 0.53	- 4.05	- 1.39	+ 30.12
ENV	398047.279	+ 7933.45	- 1527374.0	+ 7912303.3	+ 2334492.8	- 0.46	- 4.03	- 1.27	+ 25.36
ERR	0.00	3.06	10.0	44.6	62.8	0.07	0.01	0.12	4.76
AGC	IN FEETS	+17318.[illegible]	- 5011036.7	+ 2595557.3	+ 765846.4	- 1.75	- 13.31	- 4.58	+ 98.83
ENV	ALL FEETS	+17501.19	- 5011069.5	+ 2595944.4	+ 766052.6	- 1.51	- 13.25	- 4.19	+ 83.21

PIPTIME: 3.[illegible]472[illegible] 05 P65: VERTICAL TPIP: 3.98047280000 05

				R AND RG									V AND VG				
1.7[illegible]	06	1.56[illegible]	01	5.07062499999	02	-1.56579017639	00	1.17697715759	00	-3.85541915893	00						
[illegible]	01	-[illegible]	-01	-5.99999999999	00	-1.56669616699	00	-5.18798828126	-02	5.99670410156	-01						
				LANE				TTF		CG				AFC			
1.75[illegible]7499	06	1.71[illegible]	02	5.12999999999	02	-1.56039550781	00	0.99	0.00	0.00	1.69326551258	00					
								0.00	0.99	-0.05							
		TRANSIENT	0.454					-0.00	0.05	0.99							
				LNFC						UNWC							
[illegible]	-01	1.39[illegible]	-03	-3.52312054988	-02	-2.44158518546	-04	5.27382400061	-02	9.98608340856	-01						

	TIME	MASS	EWEIGHT	ECOLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398[illegible]48.20	7[illegible]5.42	- 10	1061	1.7396	1.6932	1078	1061	- 17	0	- 17

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	39804.58	69	6 60	99	- 50	- 0.1	0	141	0.79	0	7	9999

	CDUTIM	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398[illegible]45.2	- [illegible]1	1.2304	- .1867	- 0.0204	- 0.0873	- 0.0224	ACTUAL
	98049.28	- 3[illegible]761	1.560	0.0988	0.0000	- 0.1977	0.0549	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 7846.79	- 1527365.9	+ 791251.9	+ 233425.9	- 0.71	- 4.04	- 1.42	+ 27.74
ENV	39[illegible]49.279	+ 7829.14	- 1527375.1	+ 791205.3	+ 233490.2	- 0.64	- 4.03	- 1.30	+ 22.30
ERR	0.010	82.34	9.1	46.6	64.2	0.07	0.01	0.12	5.44
AGC	TA POUNDS	+17[illegible].04	- 5011043.3	+ 2595971.1	+ 765833.2	- 2.36	- 13.27	- 4.66	+ 91.04
ENV	ANL POUNDS	+174[illegible].58	- 5011073.1	+ 2595818.0	+ 766044.1	- 2.09	- 13.22	- 4.27	+ 73.19

PIPTIME: 3.98049280000 05 PGS: VERTICAL TPIP: 3.98049280000 05

R AND RC				V AND VG			
1.73591962499	06	1.95374999999	01	4.99249999999	02	-1.40190124511	00	1.18126869201	00	-3.94473075866	00
0.774[illegible]99	01	-2.4599[illegible]	-01	-4.87499999999	00	-1.40266418457	00	-4.27246093750	-02	5.10406494140	-01

LAND				TTF			CG			AFC	
1.72585187494	06	1.64999999999	01	5.04124999999	02	4.39604492187	-01	0.99	0.00	0.00	1.67657621204	00
								0.00	0.55	-0.05		
TRANSIENT 0.286								-0.00	0.05	0.99		

UNFC								UNWC			
9.99542198678	-01	0.38778[illegible]947	-04	-3.02408888063	-02	-2.44158518546	-04	5.27382400061	-02	9.98608340856	-01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	FIFPSET	REGSS
THROTTLE:	398050.62	7846.79	- 4	1049	1.7066	1.6765	1057	1049	- 8	0	- 8

	TIME	MODE	VERBANCUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398050.51	65	6 60	91	- 45	- 0 0	0	142	0 79	0	6	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3[illegible]51.28	- 3.1 91	1.2524	0.4943	- 0.0361	0.1547	0.2285	ACTUAL
	39[illegible]51.28	- 3.[illegible]761	1.3403	0.0986	0.0000	- 0.1538	0.0329	DESIRED

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                TIME        |     MASS      |                RN                |                VN                |     ALTITUDE
ACC   39[illegible]1.273    |  + 783[illegible].17  |  - 1527367.5  +  791243.9  +  233423.9  |  -   0.84  -   4.02  -   1.45  |  +     25.49
ENV   39[illegible]05.279   |  + 7919.91    |  - 1527376.5  +  791197.2  +  233487.6  |  -   0.76  -   4.01  -   1.33  |  +     19.52
ERR   C.0[illegible]        |      1.74     |          8.5  +      46.7  +      63.6  |      0.07  +   0.01  +   0.12  |          5.97

ACC   IN FEET/S     +1728[illegible].03  |  - 5011049.8  + 2595944.8  +  765826.7  |  -   2.76  -  13.21  -   4.77  |  +     83.66
ENV   ANG[illegible]RADS    +1747[illegible].25  |  - 5011077.7  + 2535791.6  +  766035.5  |  -   2.51  -  13.17  -   4.36  |  +     64.06

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      PIPTIME:        3.980512[illegible]00  05   P65:  VERTICAL                                    TPIP:        3.980512800000  05
                                                  ||||||||||||||

                                R AND RG                                                                V AND VG
  1.73[illegible]17.7499  06   2.131249[illegible]9  01   4.91312499999  02  -1.28850[illegible]6889  00   1.16524696350  00  -4.00576591491  00
  [illegible]  01  -3.7499999999  -01  -3.9999999999999  01  -1.28936767578  00  -5.5694583[illegible]0781  -02   4.48608398437  -01

                                LANC                                    TTF                                CG                                AFC
  1.7[illegible]58518749[illegible]  06   2.18749[illegible]9  01   4.95249999999  02   2.43960449218  00   0.99  0.00  0.00   1.66507437825  00
                                                                                                          0.00  0.99  -0.05
                                TRANSIENT  0.205                                                          -0.00  0.05  0.99

                                UNFC                                                                    UNWC
  [illegible]  -01   1.91[illegible]212328  -[illegible]3  -2.67889738322  -02  -2.44158518546  -04   5.27382400061  -02   9.98608340856  -01

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                TIME        MASS      FREIGHT    FCOLD      AF        AFC        FP        FC       PIF    PIFPSET   REG55
THROTTLE:       [illegible]52.70    783[illegible].17   -     2     1041    1.6796    1.6650     1046     1041   -     5        0   -     5

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                TIME        MCLE   VERBNOUN     H       FOOT       TTF      RANGE     ABVEL    TTF LPD   FORVEL    DELTAH    THRCMD
DISPLAYS:       [illegible]8052.58    65      6  60      84   -   41   -  0  2        0       143      0.79        0         4      9999

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                COUTIME        CDUX        CDUY        CDUZ       OMEGAX      OMEGAY      OMEGAZ
ATTITUDE:       [illegible]8052.28   -  [illegible]  1.0546   -  0.2197    0.0065      0.4103      0.0443      ACTUAL
                [illegible]8052.28   -  [illegible]  1.1975      0.0986    0.0000   -  0.0549      0.0878      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398055.[illegible]	+ 7822.86	- 1527369.9	+ 791235.9	+ 233419.9	- 0.95	- 4.03	- 1.45	+ 23.31
ENV	398055.[illegible]	+ 7910.71	- 1527378.1	+ 791189.2	+ 233484.9	- 0.87	- 4.01	- 1.33	+ 16.93
ERR	0.	81.15	8.1	46.7	64.9	0.08	0.02	0.11	6.37
AGC	IN FEETS	+17261.04	- 5011056.4	+ 2595318.6	+ 765813.6	- 3.12	- 13.24	- 4.76	+ 76.48
ENV	AND FEETS	+17439.06	- 5011082.0	+ 2595765.3	+ 766026.7	- 2.86	- 13.15	- 4.39	+ 55.57

PIPTIME: 3.98053280000 05 PGS: VERTICAL TPIP: 3.98053280000 05

	R AND G			V AND VG	
[illegible]	06	2.36674999999 01	4.83249999999 02	-1.19485855102 00	1.19018556687 00	-4.05850410461 00
[illegible]	01	-1.74999[illegible] -01	-3.12499999999 00	-1.19590759277 00	-2.78472900390 -02	3.97491455078 -01

	LAND		TTF	CG			AFC
[illegible]	06	2.42499999999 01	4.86374999999 02	4.43960449218 00	0.99	0.00	0.00	1.65559817105 00
					0.00	0.99	-0.05	
	TRANSIENT	0.191			-0.00	0.05	0.99	

	UNFC			UNWC	
[illegible]	-01	4.13453[illegible]2476 -04	-2.38006006934 -02	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398054.22	7820.58	- 2	1034	1.6646	1.6555	1041	1034	- 7	0	- 7

	TIME	MODE	VERBACCA	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	98054.51	65	6 60	76	- 38	- 0.4	0	144	0.80	0	3	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398055.28	- 3.2019	1.5051	0.1318	- 0.0765	- 0.3556	- 0.3466	ACTUAL
	398055.28	- 3.0761	1.1975	0.0988	0.0000	- 0.0659	0.0109	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	398055.79	+ 7871.95	- 1527371.9 + 791227.9 + 233417.9	- 1.02 - 4.02 - 1.47	+ 21.24
ENV	398055.279	+ 7931.59	- 1527379.9 + 791181.2 + 233482.2	- 0.93 - 4.00 - 1.36	+ 14.52
ERR	[illegible]	[illegible]	7.9 46.7 64.2	0.08 0.02 0.11	6.72
AGC	IN SECONDS	+17242.07	- 5011062.9 + 2595892.3 + 765807.0	- 3.36 - 13.20 - 4.85	+ 69.71
ENV	ANE SECONDS	+17413.84	- 5011085.0 + 2595739.0 + 766017.8	- 3.07 - 13.12 - 4.47	+ 47.66

PIPTIME: 3.98055280000 05 P65: VERTICAL TPIP: 3.98055280000 05

	R AND RG			V AND VG	
1.72591212495 06	3.60624999999 01	4.75124999999 02	-1.13124847412 00	1.17273330688 00	-4.09798622131 00
2.12499999999 01	-2.74999999999 -01	-2.37499999999 00	-1.13220214843 00	-4.34875488281 -02	3.56674194335 -01

	LANC		TTF	CG		AFC
1.73589187495 00	2.66249999999 01	4.77499999999 02	6.43960449218 00	0.99 0.00 0.00		1.64914177730 00
				0.00 0.99 -0.05		
	TRANSIENT 0.147			-0.00 0.05 0.99		

	UNFC			UNWC	
0.99768315133 -01	1.51912794741 -03	-2.14710946322 -02	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398056.30	7829.5	0	1029	1.6546	1.6491	1030	1029	- 1	0	- 1

	TIME	MEIF	VERBNOUN	H	FOOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THPCMD
DISPLAYS:	398056.59	65	6 60	70	- 36	- 0 6	0	144	0 81	0	3	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398057.28	- 3.30[illegible]	1.2194	- 0.0439	0.0114	0.0514	0.5054	ACTUAL
	398057.2[illegible]	- [illegible]761	1.1975	0.0988	0.0000	- 0.0219	0.0659	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	[illegible]	+ 7812.35	- 1527375.5	+ 791219.9	+ 233413.9	- 1.10	- 4.04	- 1.51	+ 19.31
ENV	[illegible]057.279	+ 7892.51	- 1527281.9	+ 791173.2	+ 233479.4	- 1.02	- 4.01	- 1.39	+ 12.29
ERR	[illegible]	3.15	5.9	46.7	65.4	0.07	0.03	0.12	7.01
AGC	IN POUNDS	+1722[illegible].12	- 5011076.1	+ 2595866.1	+ 765793.9	- 3.62	- 13.27	- 4.97	+ 63.36
ENV	AND FEETS	+1739.82	- 5011095.5	+ 2595712.7	+ 766008.8	- 3.37	- 13.17	- 4.57	+ 40.34

PIPTIME: 3.98057280000 05 PES: VERTICAL TPIP: 3.98057280000 05

R AND RG				V AND VG			
1.73559118749	06	4.66874999999	01	-1.07412338256	00	1.16662979125	00	-4.16879653930	00
1.[illegible]	01	-1.74999999999	00	-1.07498168945	00	-4.57763671875	-02	2.85720825195	-01

LAND				TTF		CG			AFC	
1.73559118749	06	2.85999999999	01	4.66824999999	02	8.43960449218	00	0.99 0.00 0.00	1.64327910169	00
								0.00 0.99 -0.05		
TRANSIENT 0.243								-0.00 0.05 0.99		

UNFC						UNWC			
7.59949532152	-01	1.89253256482	-03	-1.72432554926	-02	-2.44158518546	-04	5.27382400061	-02	6.98608340856	-01

	TIME	MASS	FWEIGHT	FCCLL	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398059.23	7812.35	- 4	1024	1.6546	1.6432	1031	1024	- 7	0	- 7

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398059.51	65	6 60	63	- 34	- 0.8	0	146	0.81	0	2	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398059.28	- 3.2137	1.0076	0.3076	0.0016	0.1265	- 0.2658	ACTUAL
	398059.28	- 3.0761	1.1096	0.0988	0.0000	- 0.1428	0.0769	DESIRED

	TIME	MASS	RA			VN			ALTITUDE
AGC	39805.279	+ 7813.77	- 1527377.9	+ 791211.9	+ 233411.9	- 1.18	- 4.05	- 1.52	+ 17.37
ENV	39805.279	+ 7883.46	- 1527384.0	+ 791165.2	+ 233476.6	- 1.10	- 4.02	- 1.41	+ 10.12
ERR	0.00	70.69	6.0	46.7	64.6	0.08	0.03	0.11	7.24
AGC	IN FEETS	+17204.13	- 5011082.6	+ 2595839.8	+ 765787.4	- 3.89	- 13.31	- 5.01	+ 57.00
ENV	AND FOOTS	+17379.87	- 5011102.4	+ 2595686.3	+ 765999.6	- 3.61	- 13.21	- 4.63	+ 33.22

FIPTIME: 3.98059280000 05 PES: VERTICAL TPIP: 3.98059280000 05

R AND RC				V AND VG		
1.73590924999 06	3.06074999999 01	4.58499999999 02	-1.01037025451 00	1.17802619994 00	-4.22096252441 00	
1.73749999999 01	-6.24999999999 -01	-1.24999999999 00	-1.01127624511 00	-3.16619873046 -02	2.34222412109 -01	

LAND			TTF	CG		AFC
1.73581874999 06	3.13749999999 01	4.59749999999 02	1.04396044921 01	0.99 0.00 0.00		1.63682503625 00
				0.00 0.99 -0.05		
	TRANSIENT 0.183			-0.00 0.05 0.99		

UNFC				UNWC		
9.59649513352 -01	1.20333400490 -03	-1.41249438751 -02	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01	

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	39806.21	7813.77	- 4	1019	1.6546	1.6368	1026	1019	- 7	0	- 7

	TIME	MODE	VERBNOUN	H	FDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	39806.59	65	6 60	57	- 32	- 0.10	0	147	0.01	0	1	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	39806.29	- 0.178	1.1096	0.3625	0.0176	- 0.2938	0.1797	ACTUAL
	39806.28	- 0.761	0.9667	0.0986	0.0000	- 0.0988	0.0439	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	398061.279	+ 7795.19	- 1527379.9	+ 791203.9	+ 233407.9	- 1.22	- 4.08	- 1.53	+ 15.56
ENV	398061.279	+ 7874.49	- 1527386.2	+ 791157.1	+ 233473.8	- 1.14	- 4.04	- 1.42	+ 8.05
ERR	0.000	79.30	6.2	46.8	65.8	0.07	0.03	0.10	7.51
AGC	IN POUNDS	+17185.29	- 5011069.2	+ 2595813.6	+ 765774.2	- 4.02	- 13.39	- 5.02	+ 51.05
ENV	AND FEETS	+17360.11	- 5011109.8	+ 2595659.9	+ 765990.3	- 3.75	- 13.28	- 4.67	+ 26.41

PIPTIME: 3.98061280000 05 PGS: VERTICAL TPIP: 3.98061280000 05

	R AND RG		V AND VG	
	1.72580737455 06	3.06249595955 01	4.49555599959 02	-9.86480712890 -01	1.19304656982 00	-4.25534248352 00
	1.54955663965 01	-6.24395999999 -01	-8.74995599955 -01	-9.87243652343 -01	-1.44558496053 -02	2.00653076171 -01

	LAND		TTF	CG			AFC
1.72589187659 06	3.07455555555 01	4.50874555555 02	1.24356044521 01	0.99	0.00	0.00	1.63437100127 00
				0.00	0.59	-0.05	
	TRANSIENT 0.130			-0.00	0.05	0.99	

	UNFC			UNWC	
9.99527474144 -01	3.64973151585 -04	-1.20406079601 -02	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398062.22	7795.19	2	1016	1.6346	1.6343	1012	1016	4	0	4

	TIME	MODE	VERBNOUN	F	FOCT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	398062.81	65	6 60	51	- 31	- 0.12	0	148	0.81	0	1	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398063.28	- 3.3178	0.7580	0.0588	0.0281	0.1044	- 0.1369	ACTUAL
	398063.28	- 3.0761	0.8789	0.0988	0.0000	- 0.1208	0.0000	DESIRED

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          TIME   |    MASS    |                RN                |                VN                |    ALTITUDE
AGC  398063.279  | + 7786.63  | - 1527381.9 + 791195.9 + 233405.9 | -   1.27 -   4.08 -   1.53 | +      13.74
ENV  398063.279  | + 7865.55  | - 1527398.6 + 791149.0 + 233471.0 | -   1.19 -   4.05 -   1.42 | +       6.02
ERR      0.000   |    7.92    |        6.6        46.9        65.0 |     0.08      0.02      0.11 |         7.72

AGC    IN POUNDS +17166.41   | - 5011095.8 + 2595787.4 + 765767.7 | -   4.19 -  13.40 -   5.05 | +      45.11
ENV    AND FOOTS +17340.39   | - 5011117.5 + 2595633.2 + 765980.9 | -   3.92 -  13.31 -   4.68 | +      19.76

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      FIPTIME:      3.98063280000  05     P65:  VERTICAL                    TPIP:      3.98063280000  05
                                          |||||||||||||

                    R AND RG                                                V AND VG
 1.73959055249  06  3.54374999999  01  4.41437499999  02  -9.43136215209 -01  1.19695663452  00  -4.28624153137  00
 1.37495999999  01 -6.24999999999 -01 -6.24999999999 -01  -9.43756103515 -01 -9.15527343750 -03  1.70135498046 -01

                    LAND                                    TTF                    CG                    AFC
 1.73589187499  06  3.61249999999  01  4.41999999999  02  1.44396044921  01  0.99  0.00  0.00  1.62998912855  00
                                                                               0.00  0.99 -0.05
                    TRANSIENT  0.106                                           -0.00  0.05  0.99

                    UNFC                                                      UNWC
 9.99948105529 -01  3.99995638850 -05 -1.01874751101 -02  -2.44158518546 -04  5.27382400061 -02  9.98608340856 -01

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          TIME      MASS    FWEIGHT   FCOLD     AF      AFC      FP      FC      PIF    PIFPSET   REG55
THROTTLE:  398064.30  7786.63  -   6   1012   1.6446   1.6299   1024    1012  -   12      0   -   12

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          TIME      MODE  VERBNOUN    H      FOOT      TTF     RANGE    ABVEL   TTF LPO  FORVEL   CELTAP   THRCMD
DISPLAYS: 398064.58   65    6  60    45  -   30  - 0.14       0      149     0.81       0        1     9999

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          COUTIME      COUX       COUY       COUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE: 398065.28  -  3.2519   0.5603     0.3845   -  0.0082  -  0.2457   0.0118      ACTUAL
          398065.28  -  3.0761   0.7470     0.0988      0.0000  -  0.0439   0.0000      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398066.279	+ 7778.07	- 1527385.9	+ 791187.9	+ 233401.9	- 1.30	- 4.10	- 1.53	+ 11.87
ENV	398065.279	+ 7856.62	- 1527391.0	+ 791140.9	+ 233468.1	- 1.22	- 4.06	- 1.42	+ 4.06
ERR	0.000	78.55	5.0	47.0	66.1	0.08	0.03	0.10	7.80
AGC	IN POUNDS	+17147.54	- 5011108.9	+ 2595761.1	+ 765754.5	- 4.27	- 13.46	- 5.03	+ 38.95
ENV	AND FEETS	+17320.73	- 5011125.5	+ 2595606.6	+ 765971.5	- 4.01	- 13.34	- 4.68	+ 13.35

PIPTIME: 3.98065280000 05 P65: VERTICAL TPIP: 3.98065280000 05

R AND RG			V AND VG		
1.73590174999 06	3.78749999999 01	4.32874999999 02	-9.29403305053 -01	1.21417045593 00	-4.30765151977 00
1.16749999999 01	-4.99999999999 -01	-2.49999999999 -01	-9.30023153359 -01	9.15527343750 -03	1.49536132812 -01

LAND			TTF	CG			AFC
1.73589187499 06	3.84999999999 01	4.33124999999 02	1.64396044921 01	0.99 0.00 0.00			1.62859447300 00
				0.00 0.99 -0.05			
TRANSIENT 0.096				-0.00 0.05 0.99			

UNFC				UNWC		
-0.99960059426 -01	-1.01504422851 -03	-8.87520362062 -03	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01	

	TIME	MASS	FWEIGHT	FCCLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398066.25	7778.07	2	1010	1.6296	1.6285	1005	1010	6	0	6

	TIME	MODE	VERBNOUN	H	HDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	398066.51	65	6 60	39	- 30	- 0.16	0	149	0.81	0	1	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	49067.28	- 3.2519	0.7690	- 0.0769	0.0466	0.0158	0.0824	ACTUAL
	39856.28	- 3.761	0.7470	0.0986	0.0000	- 0.0439	- 0.0439	DESIRED

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          TIME      |     MASS     |        RN                |                  VN                  |      ALTITUDE
AGC   398067.279    |  + 7769.52   |  - 1527387.9  + 791179.9  + 233399.9  |  -  1.32  -  4.09  -  1.53  |  +      10.06
ENV   398067.279    |  + 7847.74   |  - 1527393.5  + 791132.7  + 233465.2  |  -  1.24  -  4.07  -  1.44  |  +       2.15
ERR     0.000       |    78.21     |        5.5        47.2        65.2    |     0.07     0.02     0.09   |          7.91

AGC    IN RECORDS   +17128.70     |  - 5011115.4  + 2595734.9  + 765748.0  |  -  4.35  - 13.43  -  5.05  |  +      33.01
ENV    AND BOOTS    +17301.13     |  - 5011133.6  + 2595579.9  + 765962.1  |  -  4.09  - 13.35  -  4.74  |  +       7.05

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                                                  |||||||||||||
      PIPTIME:        3.980672300000  05          P65:  VERTICAL                          TPIP:        3.980672600000  05
                                                  |||||||||||||

                    R AND RG                                                    V AND VG
  1.735521[illegible]3749  [illegible]   4.031249[illegible]9  01   4.242459999999  02  -9.055614471143 -01   1.210260289123  00  -4.31499481201  00
  1.01[illegible]  [illegible]  01  -4.[illegible]  [illegible]  -01  -1.249999999999 -01  -9.063720703 12 -01   5.340576171187 -03   1.415906738281 -01

                    LAND                                        TTF                          CG                          AFC
  1.735851874[illegible]  00   4.028745999999  01   4.242459999999  02   1.843960449 21  01   0.99  0.00  0.00   1.626273151 48  00
                                                                                            0.00  0.99 -0.05
                    TRANSIENT  0.027                                                        -0.00  0.05  0.99

                    UNFC                                                                    UNWC
  [illegible]  -01  -7.587913[illegible]932 -04  -8.459806156 81 -03  -2.441585185 46 -04   5.273824000[illegible] -02   9.986083408 56 -01

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          TIME        MASS      FWEIGHT   FCOLD     AF       AFC       FP       FC      PIF     PIFPSET   REG55
THROTTLE:  398068.30   7769.52   -  4     1008    1.6346    1.6262    1016     1008   -  8       0    -   8

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          TIME       MODE  VERBNOUN    H      FOOT      TTF      RANGE    ARVEL    TTF LPD   FCRVEL   DELTAH   THRCMD
DISPLAYS:  398068.58   65    6  60    33   -  29   - 0.18       0      150      0.81        0        0     9999

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          CDUTIME      CDUX       CDUY       CDUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  398069.28  -  3.2189   0.4284     0.0769   - 0.0190   - 0.0791   - 0.1931     ACTUAL
           398069.28  -  3.0781   0.7470     0.0998     0.0000   - 0.0329   - 0.0329     DESIRED

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          TIME      |     MASS      |                RN                |                                  VN                  |   ALTITUDE
AGC   39806.279     | + 7760.99     | - 1527389.9  + 791171.9  + 233395.9 | -   1.33  -   4.10  -   1.54 | +      8.24
ENV   39806.279     | + 7838.86     | - 1527396.0  + 791124.6  + 233462.3 | -   1.26  -   4.07  -   1.44 | +      0.26
ERR       0.000     |   77.87       |       6.0       47.3       66.3     |     0.06      0.02      0.09 |        7.98

AGC   IN POUNDS     +17195.87       | - 5011122.0  + 2595708.6  + 765734.9 | -   4.38  -  13.46  -   5.05 | +     27.06
ENV   AND FEETS     +17281.55       | - 5011141.8  + 2595553.1  + 765952.6 | -   4.16  -  13.36  -   4.74 | +      0.86

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      PIPTIME:        3.980692-0000  05            P65:  VERTICAL                                TPIP:        3.98069280000  05
                                                  |||||||||||||||

                    R AND RG                                                                  V AND VG
  1.7359[illegible]  -06   4.[illegible]7459[illegible]999  01   4.156245999999  02  -9.010679177856 -01   1.214170455[illegible]  00  -4.325675996435  00
  [illegible]  -06  -4.[illegible]999[illegible]999 -01   1.249999999999 -01  -9.017944233993 -01   9.918212890062 -03   1.316070556[illegible] -01

                    LAND                                                  TTF                                CG                                AFC
  1.7359[illegible]  -06   4.324999999999  01   4.153749999999  02   2.043960449521  01   0.99  0.00  0.00      1.625807490[illegible]  00
                                                                                                0.00  0.99 -0.05
                    TRANSIENT  0.039                                                            -0.00  0.05  0.99

                    UNFC                                                                      UNWC
  9.999968935299 -01  -1.005327819[illegible] -03  -7.817789428289 -03  -2.441585185[illegible] -04   5.273824000[illegible] -02   9.986083408[illegible] -01

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            TIME      MASS     FWEIGHT   FCOLC     AF       AFC       FP       FC      PIF    PIFPSET   REG55
THROTTLE:  39807.23  7760.99      0      1006    1.6296    1.6258    1005     1006      2       0        2

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            TIME     MCOE   VERBNOUN    R     HOCT     TTF     RANGE    ABVEL   TTF LPD   FORVEL   DELTAH   THRCMD
DISPLAYS:  39807.51   65     6  60      27  -  28  - 0.20       0       150     0.81       0        0      9999

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            COLTIME      COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:  39807[illegible]  -  3.1640   0.7031    0.2307    0.0560    0.0859    0.4330      ACTUAL
           39807[illegible]  -  3.0761   0.7470    0.0988    0.0000  - 0.0109  - 0.0439      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398071.279	+ 7752.46	- 1527393.9	+ 791163.9	+ 233393.9	- 1.35	- 4.10	- 1.54	+ 6.43
ENV	398071.279	+ 7830.02	- 1527398.6	+ 791116.4	+ 233459.4	- 1.28	- 4.07	- 1.45	- 1.59
ERR	0.00	77.56	4.6	47.5	65.4	0.06	0.02	0.09	8.02
AGC	IN POUNDS	+17091.07	- 5011135.1	+ 2595682.4	+ 765728.3	- 4.43	- 13.46	- 5.08	+ 21.12
ENV	AND FOOTS	+17262.06	- 5011150.2	+ 2595526.4	+ 765943.1	- 4.20	- 13.36	- 4.77	- 5.22

TIPTIME: 3.98071280000 05 PES: VERTICAL TPIP: 3.98071280000 05

R AND RG				V AND VG			
1.73589831249 06	4.51874999999 01	4.06937499999 02	-8.87441635131 -01	1.21035575866 00	-4.33683395385 00		
6.49999999999 01	-3.74999999999 -01	3.74999999999 -01	-8.88061523437 -01	6.86645507812 -03	1.20162963867 -01		

LAND			TTF	CG			AFC
1.73589187499 06	4.56249999999 01	4.06499999999 02	2.24396044921 01	0.99 0.00 0.00	1.62442447617 00		
				0.00 0.99 -0.05			
TRANSIENT 0.041				-0.00 0.05 0.99			

UNFC				UNWC			
9.59974269196 -01	-7.82587063421 -04	-7.13071545883 -03	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	398072.29	7752.46	- 2	1004	1.6296	1.6244	1008	1004	- 4	0	- 4

	TIME	MODE	VERBCON	F	FOOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398072.54	65	6 60	21	- 28	- 0 22	0	150	0 80	0	0	9999

	CDLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398073.28	- 3.1530	0.8345	0.2087	- 0.0109	0.1199	- 0.3296	ACTUAL
	398073.28	- 3.0761	0.7470	0.0938	0.0000	0.0000	- 0.0219	DESIRED

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          TIME     |    MASS     |    - 1527395.9  +  791155.9  +  2353F9.9  |  -  1.36  -  4.10  -  1.53  |  +     4.74
AGC  398073.279    |  + 7743.93  |    - 1527401.1  +  791108.3  +  233456.5  |  -  1.30  -  4.09  -  1.45  |  -     3.42
ENV  398073.279    |  + 7821.16  |      5.1        47.6         66.5         |     0.06     0.01     0.08  |        8.17
ERR      0.000     |    77.22    |                                           |                                |
AGC   IN POUNDS    +17072.28     |  - 5011141.7  + 2595656.1  +  765715.2  |  -  4.49  - 13.48  -  5.04  |  +    15.58
ENV   AND FEETS    +17242.54     |  - 5011158.7  + 2595499.6  +  765933.5  |  -  4.28  - 13.42  -  4.77  |  -    11.24

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      PIPTIME:      3.98073280000  00               P65:  VERTICAL                          TPIP:      3.98073280000  05
                                                  |||||||||||||||

                    R AND RG                                                                V AND VG
  1.73585662459  00   4.76249999999  01   3.98249999999  02  -8.73613357543 -01   1.22675895690  00  -4.34226989746  00
  4.74999999999  00  -1.74999999999 -01   4.99999999999 -01  -8.74328613281 -01   2.36511230468 -02   1.15585327148 -01

                    LAND                                      TTF                       CG                          AFC
  1.73585117499  00   4.75999999999  01   3.97624999999  02   2.44396044921  01   0.99  0.00  0.00   1.62305077537  00
                                                                                    0.00  0.99 -0.05
                    TRANSIENT  0.0061                                               -0.00  0.05  0.99

                    LNFC                                                            UNWC
  9.09975 54446 -01  -1.79889 53611 -03  -6.80107919179 -05  -2.44158518546 -04   5.27382400061 -02   9.98608340856 -01

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          TIME      MASS     FWEIGHT   FCCLC     AF        AFC       FP       FC      PIF     PIFPSET   REG55
THROTTLE:  398074.22   7743.93     0      1002    1.6296    1.6230    1005     1002     -  2       0     -  2

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          TIME      MODE   VERBNOUN    H      HDCT     TTF      RANGE    ABVEL    TTF LPO   FORVEL   DELTAH   THRCMD
DISPLAYS:  398074.50   65     6  60     16   -  28   - 0.24      0       151      0.78        0        1      9999

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          CDUTIME      CDUX       COUY       COUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  398075.23  -  0.0981   0.6591     0.1867     0.0162   - 0.2654     0.0385      ACTUAL
           398075.23  -  0.0761   0.7470     0.0988     0.0000     0.0000   - 0.0659      DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398075.279	+ 7735.90	- 1527399.9	+ 791147.9	+ 233387.9	- 1.38	- 4.12	- 1.54	+ 2.99
ENV	398075.279	+ 7812.35	- 1527403.8	+ 791100.1	+ 233453.6	- 1.31	- 4.10	- 1.46	- 5.25
ERR	0.00	76.45	3.8	47.8	65.6	0.06	0.01	0.07	8.25
AGC	IN POUNDS	+17054.57	- 5011154.8	+ 2595629.9	+ 765708.6	- 4.52	- 13.53	- 5.06	+ 9.84
ENV	AND FEETS	+17223.12	- 5011167.3	+ 2595472.7	+ 765924.0	- 4.29	- 13.48	- 4.81	- 17.24

TIPTIME: 3.9807528000E 05 PGS: VERTICAL TIP: 3.9807528000E 05

	R AND RG			V AND VG		
	5.0[illegible]74999999 01	3.8956249999999 02	-8.7232589721 6 -01	1.2306690316 0 00	-4.3621553649 9 00	
	-0.49[illegible]999999 -01	7.4999999999999 -01	-8.7280273437 5 -01	2.8610229492 1 -02	9.4985961914 0 -02	

	LAND		TTF	CG			AFC	
1.7358[illegible]7499 06	5.0[illegible]74999999999 01	3.8874999999999 02	2.6439604492 1 01	0.99	0.00	0.00	1.6228901222 3	00
				0.00	0.99	-0.05		
	TRANSIENT 0.074			-0.00	0.05	0.99		

	UNFC				UNWC		
9.9998[illegible]7099999 -01	-2.0372268816 1 -03	-5.5162931014 2 -03	-2.4415851854 6 -04	5.2738740006 1 -02	9.9860834085 6 -01		

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398076.29	7735.90	0	1001	1.6196	1.6228	999	1001	2	0	2

	TIME	MODE	VERBNOUN	F	FCOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398076.57	66	6 60	10	- 28	- 0 26	0	151	0 73	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398077.28	- 0.1211	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	398077.28	- 0.0761	0.7470	0.0988	0.0000	- 0.0329	- 0.0769	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	398077.279	+ 7725.04	- 1527401.9	+ 791139.9	+ 233383.9	- 2.26	- 3.78	- 1.59	+ 2.18
ENV	398077.279	+ 7806.03	- 1527406.4	+ 791091.8	+ 233450.6	- 2.18	- 3.77	- 1.50	- 7.11
ERR	0.000	80.97	4.4	48.1	66.6	0.07	0.00	0.08	9.29
AGC	IN POUNDS	+17020.53	- 5011161.4	+ 2595603.6	+ 765695.5	- 7.41	- 12.41	- 5.22	+ 7.17
ENV	AND FOOTS	+17209.15	- 5011175.9	+ 2595445.6	+ 765914.2	- 7.16	- 12.38	- 4.94	- 23.33

PIPTIME: 3.98077280000 05 P65: VERTICAL TPIP: 3.98077280000 05

	R AND RG			V AND VG		
	3.73589406249 00	5.24379[illegible] 01	3.80624999999 02	5.17845153808 -02	1.14355087280 00	-4.54401969909 00
	2.24995999999 00	-2.49590[illegible] -01	6.24999999999 -01	5.07354726328 -02	-4.88281250000 -02	-9.04083251953 -02

	LAND		TTF	CG			AFC
	1.73589187499 00	5.27499999999 01	3.79874999999 02	2.84396044921 01	0.99 0.00 0.00		1.53053784742 00
					0.00 0.99 -0.05		
	TRANSIENT 0.728				-0.00 0.05 0.99		

	UNFC				UNWC	
	9.99976[illegible]4607 -01	3.52621[illegible]22 -03	5.92520135579 -03	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398077.93	7725.04	- 155	943	2.0895	1.5305	1288	943	- 345	0	- 345

	TIME	MODE	VERBNOUN	H	HOCT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	398078.13	65	6 60	7	2	- 0.28	0	153	0.70	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398079.2	- 0.1311	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	398079.28	- .0761	0.7470	0.0988	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	398079.279	+ 7717.02	- 1527407.9 + 791131.9 + 233379.9	- 2.25 - 3.78 - 1.50	+ 2.31
ENV	398079.279	+ 7806.01	- 1527410.7 + 791084.2 + 233447.6	- 2.18 - 3.77 - 1.50	- 7.11
ERR	[illegible]	[illegible]	2.7 4.7 6.6	0.07 0.01 0.08	9.42
AGC	IN POUNDS	+17012.95	- 5011151.1 + 2555577.4 + 765682.4	- 7.40 - 12.42 - 5.22	+ 7.58
ENV	ANI FOOTS	+17209.15	- 5011190.2 + 2555427.9 + 765904.4	- 7.16 - 12.38 - 4.94	- 23.33

PIPTIME: [illegible] CF PES: VERTICAL TPIP: 3.980795280000 05

R AND RC		V AND VG	
1.735854187459 06	5.474959999999 01	3.71562499999 02	4.53948974609 -02	1.147460937500 00	-4.54448727111 00
2.374999999999 01	-3.745999999999 -01	4.999999999999 -01	4.425048882812 -02	-4.501342773343 -02	-9.07897949218 -02

LAND		TTF	CG	AFC
1.735854187459 06	5.512459999999 01	3.709999999999 02	3.043960449921 01	0.99 0.00 0.00	1.531189773230 00
			0.00 0.00 -0.05	
TRANSIENT 5.014			-0.00 0.05 0.99	

UNFC				UNWC	
9.999768[illegible]1014 -01	3.27[illegible]9462 -03	5.96221743526 -03	-2.44158518546 -04	5.273824000061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFFSET	REGSS
THROTTLE:	398079.81	7717.02	36	942	1.6192	1.5311	842	942	100	0	100

	TIME	MODE	VERBNOUN	F	FDCT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMD
DISPLAYS:	398080.00	65	6 60	8	1	- 0.30	0	153	0.73	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398[illegible]1.24	- 3.1311	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	398[illegible]1.26	- 3.0761	0.7470	0.0988	0.0000	0.0000	0.0000	DESIRED

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          TIME     |    MASS     |   - 1527411.9  +  791123.9  +  233377.9  |  -   2.25  -   3.78  -   1.58  |  +     2.43
ACC   298081.279   | + 778.054   |
ENV   298081.279   | + 780.001   |   - 1527415.1  +  791076.7  +  233444.6  |  -   2.18  -   3.77  -   1.50  |  -     7.11
ERR     0.000      |   97.47     |       3.1      47.2       66.6           |      0.07      0.01      0.08  |        9.54

ACC   IN POUNDS    +16994.25     |  - 5011194.2  + 2595551.1  +  765675.8  |  -   7.41  -  12.43  -   5.21  |  +     7.99
ENV   ANG FORCE    +17209.15     |  - 5011204.6  + 2595396.1  +  765894.5  |  -   7.16  -  12.38  -   4.94  |  -    23.33

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      PIPTIME:      3.98[illegible]12 [illegible] 05            P65:  VERTICAL                          TPIP:      3.98081280000  05
                                                  !!!!!!!!!!!!!!

                    R AND RG                                                                V AND VG
  1.735[illegible] 1 43  6   5.7162499[illegible]999  01   3.6249999999999  02   4.9018859863 2  -02   1.1513710219  00   -4.54535464313  00
  2.4999999999[illegible]  00  -[illegible].7499999999999  -01   2.4999999999999  -01   4.7683715823  -02   -4.08172607421  -02   -9.11712646484  -02

                    LAND                                                    TTF                          CG                          AFC
  1.735851 7[illegible]9  00   5.7499[illegible]999  01   3.6212499999999  02   3.2439604 4521  01   0.99  0.00  0.00     1.53084285557  00
                                                                                                       0.00  0.99 -0.05
                    TRANSIENT  0.015                                                                  -0.00  0.05  0.99

                    UNFC                                                                            UNWC
  9.99977433 69  -01   3.[illegible]053[illegible]  -03   6.00006566227  -03   -2.44158518546  -04   5.27382400061  -02   9.98608340856  -01

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          TIME      MASS     FWEIGHT   FCOLD     AF       AFC       FP       FC      PIF     PIFPSET   REG55
THROTTLE:  298081.85   778.054   -  36    941    1.6246   1.5308    1035     941   -  94       0    -  94

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          TIME      MODE   VERBNOUN    H     HDOT     TTF     RANGE    ABVEL    TTF LPO   FORVEL   DELTAH   THRCMD
DISPLAYS:  98082.05   65     6  60     8       2   -  0.32     0       153      0.76       0        0      9999

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          CDUTIME     CDUX      CDUY      CDUZ      OMEGAX     OMEGAY     OMEGAZ
ATTITUDE:  98083.28  -  3.1311  -  0.0219   0.0000  -  0.0000   0.0001     0.0000     ACTUAL
           98083.23  -  2.0761     0.7470   0.0988     0.0000   0.0000     0.0000     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398083.279	+ 7706.07	- 1527415.9	+ 791115.9	+ 233373.9	- 2.26	- 3.78	- 1.59	+ 2.56
ENV	398083.279	+ 7806.01	- 1527419.5	+ 791069.1	+ 233441.6	- 2.18	- 3.77	- 1.50	- 7.11
ERR	0.000	105.94	3.5	46.8	67.6	0.07	0.01	0.08	9.67
AGC	IN POUNDS	+16975.57	- 5011207.3	+ 2595524.9	+ 765662.7	- 7.42	- 12.41	- 5.22	+ 8.40
ENV	AND FEETS	+17209.15	- 5011218.9	+ 2595371.3	+ 765884.6	- 7.16	- 12.38	- 4.94	- 23.33

PIPTIME: 3.98083280000 05 PES: VERTICAL TPIP: 3.98083280000 05

R AND RG				V AND VG			
1.73589 4374	06	5.93745999999	01	3.53437499999	02	5.26428222656	-02	1.14526748657	00	-4.54602241516	00
2.02499999999	00	-4.99999999999	-01	1.24999999999	-01	5.14984130859	-02	-4.69207763671	-02	-9.19342041015	-02

LAND				TTF				CG			AFC	
1.73589518749	06	5.98749999999	01	3.53249999999	02	3.44396044921	01	0.99	0.00	0.00	1.53046334162	00
								0.00	0.99	-0.05		
TRANSIENT 0.023								-0.00	0.05	0.99		

UNFC				UNWC			
5.99975[illegible]2664	-01	3.40772[illegible]0003	-03	6.03502241429	-03	-2.44158518546	-04	5.27382400061	-02	5.98608340856	-01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REGSS
THROTTLE:	398083.82	7706.07	- 8	940	1.6246	1.5304	962	940	- 22	0	- 22

	TIME	MODE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPO	FORVEL	DELTAH	THRCMD
DISPLAYS:	398084.00	65	6 60	8	2	- 0.34	0	153	0.77	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398085.28	- 0.1311	- 0.0219	0.0000	- 0.0006	0.0001	0.0000	ACTUAL
	[illegible]	- 0.1761	0.7470	0.0988	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	39 85.279	+ 76 1.6	- 1527415.9	+ 791107.9	+ 233371.9	- 2.26	- 3.78	- 1.58	+ 2.68
ENV	39 085.279	+ 787 .01	- 1527423.9	+ 791061.6	+ 233438.6	- 2.18	- 3.77	- 1.50	- 7.11
ERR	0.0 0	114.41	3.9	46.3	66.6	0.08	0.01	0.08	9.79
AGC	IN PROUDS	+16956.91	- 5011220.4	+ 2595498.6	+ 765656.1	- 7.43	- 12.42	- 5.21	+ 8.81
ENV	AND FOOTS	+17209.15	- 5011233.2	+ 2595340.6	+ 765874.7	- 7.16	- 12.38	- 4.94	- 23.33

PIPTIME: 05 POS: VERTICAL TPIP: 3.98085280000 05

R AND G V AND VG

1.73589 5824	06	6.1 749 99	01	3.44374999999	02	5.62667846679	-02	1.14917755126	00	-4.54668958718	00
6.74999 3999	00	-4.999993 993	-1	-1.24999999999	-01	5.53131103515	-02	-4.31060791015	-02	-9.26971435546	-02

LAND				TTF		CG			AFC	
1.75569107994	06	6.72499 99	01	3.44374999999	02	3.64396044921	01	0.99 0.00 0.00	1.53008149936	00
								0.00 0.99 -0.05		
TRANSIENT 0.014								-0.00 0.05 0.99		

LAFC						UNWC			
-9.75491 94	-01	9.162 6 07	-03	6.09739858467	-03	-2.44158518546	-04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCCLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398085.85	76 1.60	- 18	939	1.6246	1.5300	989	936	- 50	0	- 50

	TIME	MODE	VERBNOUN	H	HOCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMO
DISPLAYS:	398086.04	65	0 60	9	2	- 0 36	0	153	0 77	0	0	9999

	COUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUD :	398087.28	- 3.1311	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	0097.28	- 0.761	0.7470	0.0986	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN			VN			ALTITUDE
AGC	3980[illegible]	+ 7683.62	- 1527425.0	+ 791101.9	+ 2333367.9	- 2.76	- 3.79	- 1.58	+ 2.81
ENV	3980[illegible]	+ 7806.01	- 1527426.2	+ 791054.1	+ 2334356.6	- 2.18	- 3.77	- 1.50	- 7.11
ERR	[illegible]	122.39	2.2	47.8	67.6	0.07	0.01	0.08	9.92
AGC	IN POUNDS	+16939.52	- 5011240.1	+ 2595479.0	+ 7656420.0	- 7.42	- 12.43	- 5.20	+ 9.22
ENV	ANL FORCE	+17209.15	- 5011247.6	+ 2595321.8	+ 7658648	- 7.16	- 12.38	- 4.94	- 23.33

PIPTIME: 3.98CB72E00CC C5 PEF: VERTICAL TPIP: 3.980372E00CC 05

R AND RC

1.7[illegible] 01	3.3524[illegible] 02	4.98771667480 -02	1.153C8761596 0C
2.874[illegible] -01	-2.4[illegible] -01	4.882[illegible] -02	-3.92913818359 -02

V AND VG

-4.54735755920 00	-9.30786132812 -02

LAND

1.7358 18745 9 0E	3.4624[illegible] C1	3.3545[illegible] 02	3.84396044921 01

TTF

CG

0.99	0.00	0.00
0.00	0.99	-0.05
-0.00	0.05	0.99

AFC

1.53C72876855 CC

T ANSIENT C.C14

UNFC

5.9557[illegible]5368 -01	2.91127836[illegible] -03	6.13132867386 -03	-2.44158518546 -04

UNWC

5.27392400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLD	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	3980[illegible]	7683.62	- 12	938	1.6196	1.5207	575	938	- 36	0	- 36

	TIME	MCLE	VERBNOUN	F	FDOT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	3980[illegible]	65	6 6C	9	2	- 0.38	0	153	0.76	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	3980[illegible]	- 0.1211	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	3980[illegible]	- 3.0761	0.7470	0.0908	0.0000	0.0000	0.0000	DESIRED

	TIME	MASS	RN	VN	ALTITUDE
AGC	39[illegible]085.279	+ 7675.18	- 1527429.9 + 791053.9 + 233365.9	- 2.26 - 3.78 - 1.59	+ 2.93
ENV	39[illegible]085.279	+ 7876.01	- 1527432.6 + 791046.5 + 233432.5	- 2.18 - 3.77 - 1.50	- 7.11
ERR	0.00[illegible]	13.83	2.6 47.4 66.5	0.07 0.01 0.08	10.04
AGC	IN POUNDS	+1692[illegible].71	- 5011253.2 + 2595452.7 + 765636.4	- 7.42 - 12.42 - 5.22	+ 9.63
ENV	AND POUNDS	+1720[illegible].15	- 5011261.9 + 2595237.0 + 765854.9	- 7.16 - 12.38 - 4.94	- 23.33

PIPTIME: 3.98089280000 05 P65: VERTICAL TPIP: 3.98089280000 05

R AND RG			V AND VG		
1.73585[illegible]1249[illegible] 06	6.[illegible]21249[illegible]999 01	3.26124999999 02	5.35011291503 -02	1.14698410034 00	-4.54797744750 00
6.99999[illegible] 00	-6.24999999999 -01	-4.99999999999 -01	5.22613525390 -02	-4.53948974609 -02	-9.42230224609 -02

LAND			TTF		CG			AFC
1.73585[illegible]8749[illegible] 06	6.6[illegible]9[illegible]9 01	3.26624999999 02	4.04396044921 01		0.09	0.00	0.00	1.53038650751 00
					0.00	0.99	-0.05	
TRANSIEUT	0.023				-0.00	0.05	0.99	

UNFC				UNWC	
9.99975[illegible]4528 -01	6.313[illegible]75.6987 -03	6.15552144341 -03	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FREIGHT	FCLLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398089.86	7675.18	- 16	527	1.6246	1.5303	983	937	- 46	0	- 46

	TIME	MODE	VERBNOUN	H	HDCT	TTF	RANGE	ABVEL	TTF LPD	FORVEL	DELTAH	THRCMD
DISPLAYS:	398[illegible]0.14	6	6 60	10	2	- 0.40	0	152	0.73	0	0	9999

	CDUTIME	CDUX	CDUY	CDUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398091.28	- 1.1311	- 0.0219	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	398091.23	- 3.0761	0.7470	0.0986	0.0000	0.0000	0.0000	DESIRED

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                 TIME      |    MASS     |        RN                |                    VN                  |  ALTITUDE
AGC   398091.273           | + 7660.75   | - 1527435.9  + 791385.9  + 233361.9  | -   2.26  -   3.78  -   1.58  | +      3.06
ENV   398091.279           | + 7806.01   | - 1527437.0  + 791339.0  + 233429.5  | -   2.18  -   3.77  -   1.50  | -      7.11
ERR     0.00               |   139.26    |      3.0        46.9        67.5     |     0.07      0.00      0.07  |       10.17

AGC   IN POUNDS            +1650.12      | - 5011266.4  + 2595426.5  + 765627.3  | -   7.42  -  12.40  -   5.19  | +     10.04
ENV   ANL FCTS             +1720.15      | - 5011276.3  + 2595272.3  + 765845.0  | -   7.16  -  12.38  -   4.94  | -     23.33

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                                          ||||||||||||||
      PIPTIME:      3.98091280000  05     PGS:  VERTICAL                          TRIP:      3.98091280000  05
                                          ||||||||||||||

                    R AND RG                                                    V AND VG
  1.73[illegible]549749  01   6.8624535[illegible]99  01   3.17062499999  02   5.71250915527 -02   1.15089416503  00  -4.53853607177  00
  3.1124[illegible]  00  -0.2451[illegible]99 -01  -7.49999999999 -01   5.60760498046 -02  -4.19616699218 -02  -8.43048095703 -02

                    LAND                                  TTF                   CG                    AFC
  1.73[illegible]187499  06   6.9374999999  01   3.17749999999  02   4.24396044921  01   0.99  0.00  0.00   1.53000233694  00
                                                                                        0.00  0.99 -0.05
                    TRANSIENT  0.039                                                    -0.00  0.05  0.99

                    UNIC                                                        UNWC
  9.99[illegible]01278 -01   3.5675[illegible]74[illegible] -03   5.52096843318 -03  -2.44158518546 -04   5.27382400061 -02   9.98608340856 -01

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              TIME      MASS     FWEIGHT   FCOLD     AF       AFC      FP       FC      PIP    PIPFSET   REG55
THROTTLE:   398091.81   7660.75   -  14     936    1.0246   1.5300    977      936   -  41      0    -   41

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              TIME      MODE  VERBNOUN    F     FDOT     TTF     RANGE    ABVEL   TTF LPD   FCRVEL   DELTAH   THRCMD
DISPLAYS:   398[illegible] 2.10   6F     6  60     10       2   - 0.42      0     153      0.71       0        0     9999

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              COLTIME      COUX      COUY      COUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE:   398092.2   -  3.1311  -  0.0215   0.0000  -  0.0000   0.0001    0.0000      ACTUAL
            398[illegible]0.23   -  3.1761    0.7479   0.3988    0.0000    0.0000    0.0000      DESIRED

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          TIME      |    MASS    |          RN          |          VN          |  ALTITUDE
ACC   398093.79     | + 7658.79  | - 1527439.9  + 791077.0  + 233357.9  | -  2.25  -  3.78  -  1.58  | +    3.18
ENV   398093.79     | + 7806.01  | - 1527441.3  + 791031.4  + 233426.5  | -  2.18  -  3.77  -  1.50  | -    7.11
ERR                 |   147.22   |        1.3        46.5        68.5   |    0.07     0.01     0.07  |   10.29

ACC   IN FCONES     +16[illegible]4.5[illegible] | - 5011286.0  + 2595400.2  + 765610.2  | -  7.41  - 12.42  -  5.18  | +   10.45
ENV   AND FDCTS     +172[illegible].15 | - 5011290.6  + 2595247.5  + 765835.2  | -  7.16  - 12.38  -  4.94  | -   23.33

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      PIPTIME:        3.9909[illegible]00  C5          P65:  VERTICAL                          TPIP:        3.93093280000  05
                                          !!!!!!!!!!!!!!

                    R AND RD                                                          V AND VG
  1.7[illegible]9506249  06   7.0[illegible]74[illegible]999  01   3.07[illegible]9999999  02   5.07354736328 -02   1.15460422973  00  -4.53910827636  00
  3.2[illegible]9999999  0[illegible]  -7.49[illegible]9999999 -01  -8.74999999999 -01   4.95910644531 -02  -3.77655029296 -02  -8.46862792968 -02

                    LAND                                  TTF                          CC                          AFC
  1.735[illegible]187459  06   7.174[illegible]999999  01   3.08874999999  02   4.44396044921  01   0.99  0.00  0.00   1.53064727783  00
                                                                                                0.00  0.99 -0.05
                    T ANSIENT  0.015                                                           -0.00  0.05  0.99

                    LNFC                                                                      UNWC
  [illegible]0.99[illegible]073724 -01   2.793[illegible]45025 -03   5.55818623791 -03  -2.44158518546 -04   5.27382400061 -02   9.98608340856 -01

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          TIME       MASS     FWEIGHT   FCOLD     AF       AFC       FP       FC      PIF    PIFPSET   REG55
THROTTLE: 398093.95  7658.79  -  14     935     1.6196   1.5306    975      935   -  40       0    -  40

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          TIME       MODE  VERBNOUN   H     HDOT     TTF     RANGE    ABVEL   TTF LPO  FCRVEL   DELTAH   THRCMO
DISPLAYS: 398094.05   5     6  60    10      2   - 0.44      0      153     0.65      0        0      9999

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          CDUTIME      CDUX      CDUY      CDUZ      OMEGAX    OMEGAY    OMEGAZ
ATTITUDE: 398[illegible]5.28  -  3.1211  -  0.0109    0.0000  - 0.0000    0.0001    0.0000
          398[illegible]5.25  -  3.0761    0.7470    0.0988    0.0000    0.0000    0.0000    ACTUAL
                                                                                            DESIRED

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          TIME     |    MASS    |                RN                |                VN                |  ALTITUDE
AGC   398095.279   | + 76[illegible]0.8 | - 1527443.9  +  791071.9  +  233355.9 | -   2.26  -   3.78  -   1.58 | +      3.31
ENV   398095.279   | + 7806.01  | - 1527445.7  +  791023.9  +  233423.5 | -   2.18  -   3.77  -   1.50 | -      7.11
EPR     0.000      |   155.65   |      1.7     48.6     67.5            |   0.07    0.00    0.07      |     10.42

AGC   IN POUNDS    +16866.02    | - 5011295.2  + 2595380.5  +  765603.6 | -   7.42  -  12.40  -   5.20 | +     10.86
ENV   IN FEETS     +172[illegible].15   | - 5011304.9  + 2595222.7  +  765825.3 | -   7.16  -  12.38  -   4.94 | -     23.33

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      TIPTIME:      3.98095280000  05     PES:  VERTICAL                    TPIP:      3.98095280000  05
                                          ||||||||||||||

                R AND VG                                                    V AND VG
 1.7[illegible]  06  7.324[illegible]  01  2.9893749999999  02  5.43594360351 -02  1.14870071411  00  -4.53968048095  00
 1.374[illegible]  00  -7.45[illegible]  01  -1.12499999999  00  5.34057617187 -02  -4.38696185546 -02  -8.54492187500 -02

                LAND                                        TTF                 CG                          AFC
 1.735[illegible]  06  7.412499999999  01  2.999999999999  02  4.64396044921  01  0.99  0.00  0.00   1.53026776388  00
                                                                                    0.00  0.99 -0.05
                TRANSIENT  0.0023                                                  -0.00  0.05  0.99

                UNFC                                                                UNWC
 0.995[illegible]  -01  3.18602350833 -03  5.58999554133 -03  -2.44158518546 -04  5.27382400061 -02  9.98608340856 -01

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          TIME      MASS     FWEIGHT   FCCLC     AF       AFC      FP       FC      PIF    PIFPSET   REG55
THROTTLE: 398095.8  76[illegible]  -   14      934    1.6246   1.5302    977      934  -   43        0   -   43

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          TIME      MODE  VERBNOUN    H      HDOT     TTF     RANGE    ABVEL   TTF LPD  FORVEL   DELTAH   THRCMD
DISPLAYS: 398095.00  65     6  60     11       2   - 0.46       0      153     0.67       0        0     9999

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          COUTIM      COUX       COUY       COUZ       OMEGAX     OMEGAY     OMEGAZ
ATTITUDE: 39[illegible]7.23  -  [illegible].1011  -  0.0109    0.0000   -  0.0000    0.0001     0.0000     ACTUAL
          39[illegible]7.02  -  [illegible].0761     0.7470    0.0980     0.0000     0.0000     0.0000     DESIRED

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	TIME	MASS	RN			VN			ALTITUDE
AGC	398097.279	+ 7641.97	- 1527447.0	+ 791343.9	+ 233351.9	- 2.26	- 3.78	- 1.58	+ 3.43
ENV	398097.279	+ 7836.01	- 1527450.1	+ 791016.3	+ 233420.5	- 2.18	- 3.77	- 1.50	- 7.11
ERR	0.00	164.04	2.1	47.6	68.5	0.08	0.00	0.07	10.54
AGC	IN FEETS	+1[illegible]47.49	- 5011312.3	+ 2595354.3	+ 765550.5	- 7.43	- 12.40	- 5.19	+ 11.27
ENV	ANI FOOTS	+172[illegible].15	- 5011319.3	+ 2595198.0	+ 765815.4	- 7.16	- 12.38	- 4.94	- 23.33

PIPTIME: [illegible] 05 P65: VERTICAL TPIP: 3.98097280000 05

	ANG G			V AND VG	
1.7358[illegible]1249 00	7.55624[illegible]999 01	2.89874999999 02	5.79833984375 -02	1.15261077880 00	-4.54025268554 00
3.49[illegible] 00	-8.74[illegible]999 -01	-1.24999999999 00	5.72204589843 -02	-4.00543212890 -02	-8.58306884765 -02

	LANE		TTF	CG			AFC
1.73589187499 00	7.64[illegible] 01	2.91124999999 02	4.84396044921 01	0.99	0.00	0.00	1.52988592162 00
				0.00	0.99	-0.05	
	TRANSIENT 1.014			-0.00	0.05	0.99	

	UNFC			UNWC	
[illegible] -01	2.940[illegible]75[illegible]667 -03	5.62791895205 -03	-2.44158518546 -04	5.27382400061 -02	9.98608340856 -01

	TIME	MASS	FWEIGHT	FCOLC	AF	AFC	FP	FC	PIF	PIFPSET	REG55
THROTTLE:	398097.88	7641.97	- 16	932	1.6246	1.5293	976	932	- 43	0	- 43

	TIME	MODE	VERBNOUN	F	HDOT	TTF	RANGE	ABVEL	TTF LPD	FCRVEL	DELTAH	THRCMO
DISPLAYS:	398097.0[illegible]	65	6 60	11	2	- 0.48	0	153	0.66	0	0	9999

	COLTIME	COUX	COUY	COUZ	OMEGAX	OMEGAY	OMEGAZ	
ATTITUDE:	398099.2[illegible]	- 3.1[illegible]31	- 0.0105	0.0000	- 0.0000	0.0001	0.0000	ACTUAL
	398099.28	- 3.0 761	0.7470	0.0988	0.0000	0.0000	0.0000	DESIRED

****

	TIME	MASS	RV			VN			ALTITUDE
AGC	39[illegible]0.279	+ 7636.57	- 1527451.9	+ 791155.9	+ 233349.9	- 2.26	- 3.78	- 1.57	+ 3.56
ENV	398059.27	+ 7806.01	- 1527454.4	+ 791008.8	+ 233417.5	- 2.18	- 3.77	- 1.50	- 7.11
ERR	0.0	17.44	2.4	47.1	67.5	0.08	0.00	0.07	10.67
AGC	IN POUNDS	+16628.98	- 5011325.4	+ 2595228.0	+ 765863.9	- 7.44	- 12.41	- 5.18	+ 11.68
ENV	ANC FEETS	+172[illegible]	- 5[illegible]11333.6	+ 2595173.2	+ 765865.5	- 7.16	- 12.38	- 4.94	- 23.33

****

****

MAXIMUM VALUES AND WHEN THEY OCCURED:

MODE	MAXIMUM TRANSIENTS		TIME
64	2.6576[illegible]01931 01	DEGREES	3.9789328000 05
65	2.6429[illegible] 01	DEGREES	3.9803528000 05
64	2.4276[illegible] 00	DEGREES	3.9792528000 05
64	1.7156[illegible] 00	DEGREES	3.9789528000 05
65	1.4[illegible]4657926 00	DEGREES	3.9804128000 05
64	1.0[illegible]1545[illegible] 00	DEGREES	3.9803728000 05
64	1.1475[illegible] 00	DEGREES	3.9789728000 05
65	1.0[illegible]417[illegible] 00	DEGREES	3.9804328000 05
64	9.9030[illegible] -01	DEGREES	3.9803528000 05
64	8.[illegible] -01	DEGREES	3.9801128000 05
65	[illegible] -01	DEGREES	3.9803328000 05
64	7.1160[illegible] -01	DEGREES	3.9803128000 05
64	7.9761[illegible] -01	DEGREES	3.9801528000 05
64	7.4521[illegible] -01	DEGREES	3.9801728000 05
65	7.2994[illegible] -01	DEGREES	3.9803728000 05
65	7.1759[illegible] -01	DEGREES	3.9804528000 05
64	6.7692[illegible] -01	DEGREES	3.9800928000 05
64	6.5836[illegible] -01	DEGREES	3.9800728000 05
64	6.5470[illegible] -01	DEGREES	3.9801528000 05
64	6.1954[illegible] -01	DEGREES	3.9800528000 05
64	6.1635[illegible] -01	DEGREES	3.9800128000 05
64	6.2056[illegible] -01	DEGREES	3.9799928000 05
64	6.5521[illegible] -01	DEGREES	3.9789928000 05
64	5.4060[illegible] -01	DEGREES	3.9795728000 05

****

TIME = 39 2.9.5541[illegible]1

*** THE MAR LT TAPE USED IN THI JOB STEP HAS BEEN SAVED.

MAIN PROGRAM REENTERED AT ENTRY 2

MAC POST MORTEM ANALYSIS

TERMINATION CONDITION: SUBROUTINE RETURN PUSHDOWN LIST EMPTY

CONT CALLING [illegible]AL PROGRAM AT TERMINATION WAS EDIT.CONTROL

BLOCK # 1

BLOCK ADDRESS 384 (HEXADECIMAL) 900 (DECIMAL)

PROGRAM TERMINATED AT STATEMENT M#0[illegible]2900

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

EMPTY

CURRENT FILE INDEX SETTINGS:

DATAFILE READ	1
DATAFILE WRITE	1
CALLFILE READ	0
CALLFILE WRITE	0

RUN TIME WAS [illegible].85 SECONDS. THERE WERE 0 PBLK LOADS

```
*       COLLECT EDIT.CONTROL
*       FOR (NONMAC) AGCEDITM USE CLDEDIT
*       FOR EDIT1 USE DINPLOT
*       LOCK FILE UNIV.EPHM6570
*       MAXLINES 6000
* HEADING  LUMINARY 1B LANDING
*       ACCEDIT                 EYLES           LUM 1B LANDING
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.EDIT.CONTROL

MAC PROGRAM ALIASES IN EFFECT:

FOR	USED
COMMON.FDIT1	COMMON.CINPLOT

NONMAC PROGRAM ALIASES IN EFFECT:

FOR	USED
ACCEDITN	CLDECIT

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	EDIT.CONTROL	START EXYT ABORT	02DF38+0DF	05/16/68	13:24	MCP004
2	COMMON.FILEPLOT	START ENDPLOT	02E036+098	06/07/68	10:04	MCP001
3	COMMON. INPLOT	BEGIN	02E39C+550	03/19/70	0:53	MCP002
4	COMMON.EDIT2		**UNRESOLVED**			
5	COMMON.EDIT3		**UNRESOLVED**			
6	COMMON.EDIT4		**UNRESOLVED**			
7	COMMON.EDIT5		**UNRESOLVED**			
8	COMMON.EDIT6		**UNRESOLVED**			
9	COMMON.EDIT7		**UNRESOLVED**			
10	COMMON.EDIT8		**UNRESOLVED**			
11	COMMON.EDIT9		**UNRESOLVED**			
12	COMMON.EDIT10		**UNRESOLVED**			
13	COMMON.UNIVERSE	MP1	032B78+428	02/03/69	9:47	MCP001
14	COMMON.MARCFLC	1	034258+020	08/31/67	19:02	MCP001

```
15   COMMON&LIB.PLCT   CLCLETR   034280+410  03/19/69  10:19      MCP001
                       PLCT
                       LETR
                       LABL

NONMAC PROGRAMS COLLECTED:

  #       NAME       SIZE

  1     MASTICX     16240  RESIDENT
  2     CLCPLIT    123072  RESIDENT
  3     PPL T       11016  RESIDENT
  4     CARDPLCT     1136  RESIDENT
  5     NAMEFLD:     2568  RESIDENT

COMMON AREA ALLOCATION:

  #    NAME      BASE ADDR

  1  COMMBLK      37770
  2  #TEMPAC      037F68
  3  CALLFILE     038F68
  4  PLCT AT      039738

  TOTAL NUMBER OF BLKS COLLECTED:   65

DATA FILE ACTIVATED, SIZE IS LARGE

DATA FILE COLLECTION LOG

  MACDATA.UNIV.EPHEM970       11/01/68   11:11
          RETRIEVED DATA FILE BLOCK  1175 STORED AS ACTIVE FILE BLOCK  1175
                                     1176                              1176
                                     1177                              1177
                                     1178                              1178
                                     1179                              1179
                                     1180                              1180
                                     1181                              1181
                                     1182                              1182
                                     1183                              1183
                                     1184                              1184
                                     1185                              1185
                                     1186                              1186
                                     1187                              1187
                                     1188                              1188
                                     1189                              1189
                                     1190                              1190
```

```
                                        1191                    1191
                                        1192                    1192
                                        1193                    1193
                                        1194                    1194
                                        1195                    1195
                                        1196                    1196
                                        1197                    1197
                                        1198                    1198

    [illegible] MAC PROGRAM BLOCKS WERE LOADED.

    SPACE WAS ALLOCATED FOR [illegible] DATA BLOCKS.

    THE CURRENT REGION SIZE IS 392K.

    TOTAL SPACE RELEASED FOR NONMAC PROGRAMS: 162624  (DECIMAL)

    TIME ALLOWED FOR THIS RUN STEP IS   4205.34 SECONDS
```

```
*       ACCEDIT                                 EYLFS                   LUM 1B LANDING
E       EDIT AGC COMPS
        BEGINS    +3    DUMP     LRVTIME                PIPTIME1 +1
        PIPTIME1        DOUBLE   PIPTIME1 +1            .01 8+28
        LRVTIME         DOUBLE   LRVTIME  +1            . 1 8+28
E       GENERATE MAC INPUT DATA
        PBEDLAD         CEDUMP                                          1.1
        BEALACCS        CEDUMP                                          1.1
        MODELJOB        DUMP     A                      67.1777         1.2
        [illegible]     DPFILE   V         +5
        LANI            DPFILE   LANC      +5
        CELX            TSCFILE  CELZ
        CELXD           TSCFILE  CELZD
        RCALC           DPFILE
        DELTAH          DPFILE
        BEFSMAT         DPFILE   BFSMMAT +21
        LCLRANGL        SPFILE
        MODBEG          SPFILE
        TLANC           DPFILE
        RC              SPFILE
        PIPTIME         DPFILE
        TPIP            DPFILE
        VEGVEST         DPFILE
        PGLIDE          DPFILE
        -AZ             DUMP                                            1.41
        +AZ             DUMP                                            1.42
        -EL             DUMP                                            1.43
        +EL             DUMP                                            1.44
        TTFIAGR         DUMP     DLANC                 DLANC  +5        1.45
        DLAND           DPFILE   DLANC +5
```

END OF CARD INPUT - EDITING OUTPUT BEGINS ON FOLLOWING PAGE.

```
EDIT.CONTROL CARD INPUT . REQUESTS PLOTTING.

THE UNIVERSE PLOTTING IS USING DATA FOR THE PERIOD FROM JULY 1, 1969 THROUGH JULY 1970

      UNIVERSE INPUT CARDS (3 OF THEM):

      ID                EPOCH                ORIGIN              R(X)                R(Y)                R(Z)
      ID                TZERO                CLTCTRL             V(X)                V(Y)                V(Z)
      ID                CONFIG               PERT
  [illegible]01  [illegible]24 [illegible]  C2  2.0000000000000  00  -1.72582728999  C6  5.65244489999  C4  -3.00754709999  05
  [illegible]01  [illegible]  C1  [illegible]9419999  C5  0.0  -1.63122999999  02  1.41391199999  C3  9.30283999999  02
  [illegible]01  [illegible]  C0  1.0000000000  00

      LANDING SITE:
                        SITEME                                  LATSITE             LONGSITE            ALTSITE
  [illegible]135  C6  -6.[illegible]  05  -8.91099829432  04  -2.94249999999  00  -2.34431999999  C1  -2.19502999999  03

*****************************************************************************************************************************

      RUGINS   +3    DUMP    LRVTIME        PIPTIME1 +1

TIME =  [illegible]74111E                                                    SERIAL #   1

.....PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560      [illegible]37379.2[illegible]0

.....LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652      [illegible]37379.740

*****************************************************************************************************************************

      RUGINS   +3    DUMP    LRVTIME        PIPTIME1 +1

TIME =  [illegible]1.71111E                                                  SERIAL #   2

.....PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560      [illegible]37[illegible]1.28[illegible]

.....LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652      [illegible]7381.71[illegible]

*****************************************************************************************************************************

      RUGINS   +3    DUMP    LRVTIME        PIPTIME1 +1

TIME =  [illegible]3.78111E                                                  SERIAL #   3

.....PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560      [illegible]37[illegible]3.2[illegible]0

.....LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652      [illegible]37383.78[illegible]
```

```
*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible]5.741118                                                          SERIAL #   4

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397[illegible]5.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397385.740

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible]7.771118                                                          SERIAL #   5

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397387.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397387.770

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].741118                                                              SERIAL #   6

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397389.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397389.740

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397391.771118                                                                   SERIAL #   7

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397391.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397391.770

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].741118                                                              SERIAL #   8
```

```
........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397395.230

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397395.770

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397395.771118                                                    SERIAL #   9

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397395.230

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397395.770

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397397.711118                                                    SERIAL #  10

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397397.230

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397397.710

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397399.771118                                                    SERIAL #  11

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397399.230

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397399.770

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397401.741118                                                    SERIAL #  12

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397401.230

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
```

```
E4,1652      3974C1.740

*****************************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3974 3.79111B                                                          SERIAL #  13

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      3974C3.23C

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+29
E4,1652      3974C3.79C

*****************************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3974 5.761131                                                          SERIAL #  14

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      3974C5.23C

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+29
E4,1652      3974C5.76C

*****************************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3974 7.781167                                                          SERIAL #  15

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,156C      3974C7.2CC

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      3974C7.7CC
     SITE
   1.5954 1E351  06  -6.8960016947  C5  -8.919848638405  C4   3.9740727999 9  C5

*****************************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3974 9.711114                                                          SERIAL #  16

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,156C      3974C9.2CC

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      3974C9.71C

*****************************************************************************************************************************
```

```
        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397411.771100                                                    SERIAL #  17

........PIPTIME1         DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397411.280

........LRVTIME          DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397411.770
*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397413.771122                                                    SERIAL #  18

........PIPTIME1         DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397413.280

........LRVTIME          DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397413.770
*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397415.741176                                                    SERIAL #  19

........PIPTIME1         DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397415.280

........LRVTIME          DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397415.740
*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397417.781135                                                    SERIAL #  20

........PIPTIME1         DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397417.280

........LRVTIME          DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397417.780
*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible] .771122                                              SERIAL #  21
```

```
oooooooooPIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397419.2[illegible]

oooooooooLRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397419.770

*****************************************************************************************************************

        BEGINS   +3        DUMP     LRVTIME          PIPTIME1 +1

TIME =  397421.741125                                                          SERIAL #  22

oooooooooPIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397421.280

oooooooooLRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397421.740

*****************************************************************************************************************

        BEGINS   +3        DUMP     LRVTIME          PIPTIME1 +1

TIME =  397423.781135                                                          SERIAL #  23

oooooooooPIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397423.290

oooooooooLRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397423.7[illegible]0

*****************************************************************************************************************

        BEGINS   +3        DUMP     LRVTIME          PIPTIME1 +1

TIME =  397425.771098                                                          SERIAL #  24

oooooooooPIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397425.290

oooooooooLRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397425.770

*****************************************************************************************************************

        BEGINS   +3        DUMP     LRVTIME          PIPTIME1 +1

TIME =  397427.761187                                                          SERIAL #  25

oooooooooPIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397427.280

oooooooooLRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397427.740
```

```
*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397429.713500                                                    SERIAL #  26

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397429.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397429.700

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397431.771121                                                    SERIAL #  27

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397431.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397431.770

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397433.751382                                                    SERIAL #  28

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397433.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397433.750

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397435.754534                                                    SERIAL #  29

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397435.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397435.750

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397437.7[illegible]                                              SERIAL #  30
```

```
oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397437.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397437.790

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397439.793691                                                    SERIAL #  31

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397439.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397439.790

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397441.791986                                                    SERIAL #  32

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397441.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397441.790

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397443.791464                                                    SERIAL #  33

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397443.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397443.790

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  7445.791187                                                      SERIAL #  34

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397445.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
```

```
E4,1652        397465.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397447.79227                                                    SERIAL #  35

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397447.2-0

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397447.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397449.79116                                                    SERIAL #  36

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397449.230

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397449.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].79117                                            SERIAL #  37

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397451.2[illegible]

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397451.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397453.79171                                                    SERIAL #  38

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397453.230

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397453.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1
```

```
TIME =  397455.791126                                                    SERIAL #  39

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397455.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397455.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397457.781126                                                    SERIAL #  40

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397457.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397457.780

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397459.791126                                                    SERIAL #  41

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397459.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397459.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397461.791774                                                    SERIAL #  42

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397461.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397461.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397463.791127                                                    SERIAL #  43

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397463.280
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.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397469.790

*****************************************************************************************************************************

        RLGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397465.7 2648                                                    SERIAL #  44

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397465.230

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397465.790

*****************************************************************************************************************************

        RLGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397467.7 1151                                                    SERIAL #  45

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397467.230

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397467.790

*****************************************************************************************************************************

        RLGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397469.7 2618                                                    SERIAL #  46

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397469.230

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397469.790

*****************************************************************************************************************************

        RLGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397471.7 1289                                                    SERIAL #  47

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397471.230

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397471.790

*****************************************************************************************************************************
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        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =     397[illegible]7911[illegible]                                                    SERIAL #  48

oooooooooPIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,156[illegible]        397477.280

oooooooooLRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397473.79[illegible]
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =     397[illegible]78115[illegible]                                                   SERIAL #  49

oooooooooPIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,156[illegible]        397475.28[illegible]

oooooooooLRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397475.7[illegible]0
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =     397477.751212                                                                    SERIAL #  50

oooooooooPIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397477.280

oooooooooLRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397477.790
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =     397479.791472                                                                    SERIAL #  51

oooooooooPIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,156[illegible]        397479.280

oooooooooLRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397479.790
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =     397481.791144                                                                    SERIAL #  52
```

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.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97481.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]97481.790
*****************************************************************************************************************
        EDCIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME = [illegible]74[illegible].791190                                          SERIAL #  53

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97493.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]97493.790
*****************************************************************************************************************
        EDCIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME = [illegible]97485.793910                                                  SERIAL #  54

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97485.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]97485.790
*****************************************************************************************************************
        EDCIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME = [illegible]74[illegible]7.793568                                         SERIAL #  55

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97487.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]97487.790
*****************************************************************************************************************
        EDCIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME = [illegible]97489.791114                                                  SERIAL #  56

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97489.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]97489.790
```

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*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39749.791114                                                    SERIAL #  57

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       39749.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       39749.790

*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39749.781193                                                    SERIAL #  58

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       39749.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       39749.790

*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39749.792984                                                    SERIAL #  59

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       39749.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       39749.790

*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39749.781293                                                    SERIAL #  60

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       39749.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       39749.790

*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible].792757                                              SERIAL #  61
```

```
.........PIPTIME1          DOUBLE  PIPTIME1 +1        .01 B+28
E7,1560        39749.280

.........LRVTIME           DOUBLE  LRVTIME  +1        .01 B+28
E4,1652        39749.790
*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME           PIPTIME1 +1

TIME =  39750.791125                                                    SERIAL #  62

.........PIPTIME1          DOUBLE  PIPTIME1 +1        .01 B+28
E7,1560        39750.280

.........LRVTIME           DOUBLE  LRVTIME  +1        .01 B+28
E4,1652        39750.790
*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME           PIPTIME1 +1

TIME =  39750.791125                                                    SERIAL #  63

.........PIPTIME1          DOUBLE  PIPTIME1 +1        .01 B+28
E7,1560        39753.280

.........LRVTIME           DOUBLE  LRVTIME  +1        .01 B+28
E4,1652        39753.790
*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME           PIPTIME1 +1

TIME =  39755.801125                                                    SERIAL #  64

.........PIPTIME1          DOUBLE  PIPTIME1 +1        .01 B+28
E7,1560        39755.280

.........LRVTIME           DOUBLE  LRVTIME  +1        .01 B+28
E4,1652        39755.800
*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME           PIPTIME1 +1

TIME =  39757.801227                                                    SERIAL #  65

.........PIPTIME1          DOUBLE  PIPTIME1 +1        .01 B+28
E7,1560        39757.280

.........LRVTIME           DOUBLE  LRVTIME  +1        .01 B+28
```

```
E4,1652        39751 7.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39750 9.80113                                                   SERIAL #  66

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560        39750 9.2

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 B+28
E4,1652        39750 9.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39751 1.80122                                                   SERIAL #  67

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560        39751 1.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 B+28
E4,1652        39751 1.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39751 3.8 1852                                                  SERIAL #  68

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560        39751 3.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 B+28
E4,1652        39751 3.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  39751 5.8 4081                                                  SERIAL #  69

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560        39751 5.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 B+28
E4,1652        39751 5.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1
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```
TIME =  397517.791140                                                    SERIAL #  70

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397517.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397517.790

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397519.001335                                                    SERIAL #  71

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397519.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397519.800

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397521.791138                                                    SERIAL #  72

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397521.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397521.790

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397523.791126                                                    SERIAL #  73

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397523.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397523.780

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397525.791127                                                    SERIAL #  74

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397525.280
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........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397525.790

*************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397527.791151                                                    SERIAL #  75

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397527.790

........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397527.790

*************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397529.791110                                                    SERIAL #  76

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397529.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397529.790

*************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397531.791129                                                    SERIAL #  77

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397531.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397531.790

*************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397533.791128                                                    SERIAL #  78

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397533.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397533.790

*************************************************************************************************************************
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        RDGIMS   +3     DLMP    LRVTIME         PIPTIME1 +1

TIME =  397535.791181                                          SERIAL #  79

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       397535.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       397535.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397537.791452                                          SERIAL #  80

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       397537.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       397537.790

*****************************************************************************************************************

        RDGIMS   +3     DLMP    LRVTIME         PIPTIME1 +1

TIME =  397539.791189                                          SERIAL #  81

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       397539.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       397539.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397541.791146                                          SERIAL #  82

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560       397541.280

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652       397541.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397543.791281                                          SERIAL #  83
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```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397543.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397543.7 0

*****************************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  397545.791139                                                    SERIAL #  84

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397545.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397545.790

*****************************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  397547.801128                                                    SERIAL #  85

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397547.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397547.800

*****************************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  397549.8007 2                                                    SERIAL #  86

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397547.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397549.  0

*****************************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  397551.801124                                                    SERIAL #  87

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397551.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397551.800
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*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397553.791171                                                          SERIAL #  88

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397553.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397553.790

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397555.8024[illegible]                                                 SERIAL #  89

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397555.290

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397555.800

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397557.802966                                                          SERIAL #  90

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397557.[illegible]

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397557.810

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397559.791138                                                          SERIAL #  91

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397559.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397559.790

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397561.801[illegible]                                                  SERIAL #  92
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```
........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397561.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397561.800
*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397562.791127                                           SERIAL #  93

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397563.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397563.790
*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397565.803996                                           SERIAL #  94

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397565.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397565.800
*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397567.802645                                           SERIAL #  95

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397567.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397567.800
*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397569.791411                                           SERIAL #  96

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397569.28

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
```

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E4,1652      397569.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397571.802131                                                   SERIAL #  97

.........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560      397571.280

.........LRVTIME         DOUBLE  LRVTIME  +1     .01 8+28
E4,1652      397571.800

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397573.841171                                                   SERIAL #  98

.........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560      397573.280

.........LRVTIME         DOUBLE  LRVTIME  +1     .01 8+28
E4,1652      397573.840

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397575.791133                                                   SERIAL #  99

.........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560      397575.280

.........LRVTIME         DOUBLE  LRVTIME  +1     .01 8+28
E4,1652      397575.790

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397577.791217                                                   SERIAL # 100

.........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560      397577.2[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1     .01 8+28
E4,1652      397577.7[illegible]

*****************************************************************************************************************

        RDGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1
```

```
TIME =  397579.791414                                                    SERIAL # 101

........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397579.280

........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397579.790
*****************************************************************************************************************************

        BEGINS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  397581.791152                                                    SERIAL # 102

........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397581.280

........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397581.790
*****************************************************************************************************************************

        BEGINS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  397583.791126                                                    SERIAL # 103

........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397583.280

........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397583.790
*****************************************************************************************************************************

        BEGINS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  397585.791131                                                    SERIAL # 104

........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397585.280

........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397585.790
*****************************************************************************************************************************

        BEGINS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  397587.791[illegible]                                                    SERIAL # 105

........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397587.280
```

```
.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397587.790

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        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible].794218                                                    SERIAL # 106

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397588.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397589.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397591.791134                                                            SERIAL # 107

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397591.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397591.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible].791187                                                    SERIAL # 108

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397593.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397593.790

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397595.791134                                                            SERIAL # 109

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,15[illegible]        397[illegible]5.28[illegible]

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,165[illegible]        [illegible]5.7[illegible]

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        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3976 7.7.1162                                                    SERIAL # 110

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        3975970.220

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        3975970.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3975990.791128                                                   SERIAL # 111

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        3975990.220

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        3975990.79
*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3976 0.7911 0                                                    SERIAL # 112

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        3976001.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        3976001.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3976 3.791139                                                    SERIAL # 113

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        3976 3.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        3976 3.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3976 5.7.2[illegible]                                            SERIAL # 114
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397605.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397605.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397607.781186                                                    SERIAL # 115

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397607.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397607.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397609.793979                                                    SERIAL # 116

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397609.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397609.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397611.791132                                                    SERIAL # 117

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397611.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397611.790
*****************************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397613.7[illegible]6                                             SERIAL # 118

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397613.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397613.790
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        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397615.791130                                                                    SERIAL # 119

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397615.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397615.790

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397617.791225                                                                    SERIAL # 120

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397617.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397617.790

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397619.781166                                                                    SERIAL # 121

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397619.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397619.790

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397621.791111                                                                    SERIAL # 122

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397621.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397621.790

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397623.791664                                                                    SERIAL # 123
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397623.200

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397623.790
*****************************************************************************************************************************

        REGIMS   +2      DUMP    LRVTIME          PIPTIME1 +1

TIME =   397625.801135                                          SERIAL # 124

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397625.220

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397625.800
*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =   397627.802554                                          SERIAL # 125

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397627.250

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397627.800
*****************************************************************************************************************************

        REGIMS   +5      DUMP    LRVTIME          PIPTIME1 +1

TIME =   397629.801135                                          SERIAL # 126

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397629.200

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      397629.800
*****************************************************************************************************************************

        REGIMS   +6      DUMP    LRVTIME          PIPTIME1 +1

TIME =   397631.791[illegible]                                  SERIAL # 127

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      397631.2[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
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E4,1652        97631.79

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        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  97633.801991                                                    SERIAL # 128

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560        3976 3.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 8+28
E4,1652        397633.820

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397635.802252                                                   SERIAL # 129

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560        397635.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 8+28
E4,1652        397635.800

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397637.791 36                                                   SERIAL # 130

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560        3976 7.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 8+28
E4,1652        397637.790

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397639.802586                                                   SERIAL # 131

.........PIPTIME1       DOUBLE  PIPTIME1 +1     .01 8+28
E7,1560        397 9.280

.........LRVTIME        DOUBLE  LRVTIME  +1     .01 8+28
E4,1 52        397 9.  0

*****************************************************************************************************************

        BEGIN    +3     DUMP    LRVTIME         PIPTIME1 +1
```

```
TIME =  397641.801127                                                    SERIAL # 132

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397641.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397641.800

*****************************************************************************************************************

        RDCIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397643.792806                                                    SERIAL # 133

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397643.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397643.790

*****************************************************************************************************************

        RDCIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397645.802754                                                    SERIAL # 134

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397645.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397645.800

*****************************************************************************************************************

        RLGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397647.804156                                                    SERIAL # 135

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397647.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397647.800

*****************************************************************************************************************

        RLGIMS   +      DUMP    LRVTIME         PIPTIME1 +1

TIME =  397[illegible].791447                                            SERIAL # 136

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397645.280
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........LRVTIME        DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]49.79

*****************************************************************************************************************

        BEGINS   +1     DUMP    LRVTIME         PIPTIME1 +1

TIME =  3978[illegible]                                                         SERIAL # 137

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397651.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397651.80[illegible]

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397653.8[illegible]                                                     SERIAL # 138

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397653.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397653.8[illegible]

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397655.71476                                                            SERIAL # 139

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397655.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397655.790

*****************************************************************************************************************

        BEGINS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397657.8[illegible]                                                     SERIAL # 140

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397657.2[illegible]

........LRVTIME        DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397657.[illegible]

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        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397659.8 1150                                                    SERIAL # 141

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397659.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397659.800
*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397661.[illegible]1129                                           SERIAL # 142

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397661.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397661.800
*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397663.[illegible]                                               SERIAL # 143

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397663.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397663.800
*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397665.[illegible]                                               SERIAL # 144

........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397665.280

........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397665.800
*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397667.[illegible]                                               SERIAL # 145
```

```
........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397669.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397669.800
*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397669.801426                                                    SERIAL # 146

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397669.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397669.800
*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397671.802705                                                    SERIAL # 147

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397671.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397671.800
*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397673.801205                                                    SERIAL # 148

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397673.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397673.800
*****************************************************************************************************************************

        RECIMS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  397675.801626                                                    SERIAL # 149

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397675.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397675.800
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*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397677.801248                                                    SERIAL # 150

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397677.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397677.800

*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397679.801126                                                    SERIAL # 151

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397679.220

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397679.900

*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397681.802003                                                    SERIAL # 152

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397681.220

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397681.800

*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397683.802548                                                    SERIAL # 153

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397683.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397683.800

*****************************************************************************************************************

        RCGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397685.804248                                                    SERIAL # 154
```

```
.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3976E7.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3976E7.790

*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3976E7.791166                                                    SERIAL # 155

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3976E7.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3976E7.790

*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3976E7.791166                                                    SERIAL # 156

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3976E7.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3976E7.790

*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3976E1.851264                                                    SERIAL # 157

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3976E1.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3976E1.850

*****************************************************************************************************************

        RDGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3976E1.611[illegible]                                            SERIAL # 158

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3976E1.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 8+28
```

```
E4,1652        [illegible]97[illegible]3.00

*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397695.851121                                                          SERIAL # 159

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397695.250

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397695.850

*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397697.851148                                                          SERIAL # 160

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397697.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397697.850

*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].891715                                                  SERIAL # 161

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397699.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397699.890

*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397701.883154                                                          SERIAL # 162

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397701.230

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397701.850

*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1
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```
TIME =  3977 .892185                                                    SERIAL # 163

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        3977 3.28

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652          77  .89

*****************************************************************************************************************

        REGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3977 .891585                                                    SERIAL # 164

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        3977 .280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652          3977 .890

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        REGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3977 .891185                                                    SERIAL # 165

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        977 .280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652          3977 .89

*****************************************************************************************************************

        REGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3977 .892561                                                    SERIAL # 166

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        3977 .280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652          3977 .890

*****************************************************************************************************************

        REGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3711 .891148                                                    SERIAL # 167

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        3711 .280
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.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397711.890

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        RCDIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397713.56118                                                    SERIAL # 168

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397713.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397713.560

*****************************************************************************************************************

        RCDIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397715.892027                                                   SERIAL # 169

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397715.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397715.890

*****************************************************************************************************************

        RCDIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397717.891148                                                   SERIAL # 170

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397717.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397717.890

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        RCDIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397719.891188                                                   SERIAL # 171

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        397719.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397719.[illegible]

*****************************************************************************************************************
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        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3 77[illegible]1.[illegible]94423                                                    SERIAL # 172

.........PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        [illegible]7721.280

.........LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        [illegible]77[illegible]1.89

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397723.891140                                                                        SERIAL # 173

.........PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397723.280

.........LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397723.890

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397725.893139                                                                        SERIAL # 174

.........PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397725.280

.........LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397725.890

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397727.892060                                                                        SERIAL # 175

.........PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397727.280

.........LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397727.8[illegible]0

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].[illegible]91133                                                      SERIAL # 176
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397729.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397729.880

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397731.091150                                                    SERIAL # 177

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397731.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397731.890

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397732.992578                                                    SERIAL # 178

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397733.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397733.890

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397735.882631                                                    SERIAL # 179

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397735.290

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397735.890

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        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397737.[illegible]3111                                           SERIAL # 180

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397737.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397737.890
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*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397739.652016                                                          SERIAL # 181

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397739.230

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397739.890

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397741.091192                                                          SERIAL # 182

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397741.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397741.890

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        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397743.652009                                                          SERIAL # 183

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397743.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397743.890

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        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397745.093257                                                          SERIAL # 184

........PIPTIME1         DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397745.280

........LRVTIME          DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397745.890

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397747.651193                                                          SERIAL # 185
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397747.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397747.890

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397749.81126                                                    SERIAL # 186

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397749.230

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397749.880

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397751.89474                                                    SERIAL # 187

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397751.230

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397751.880

*****************************************************************************************************************

        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397753.91146                                                    SERIAL # 188

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397753.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397753.890

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        RDGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397755.92692                                                    SERIAL # 189

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397755.230

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
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E4,1652          397759.890

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        RLGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397757.8 1461                                                                    SERIAL # 190

.........PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560          397757.280

.........LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652          397757.880

*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397759.891169                                                                    SERIAL # 191

.........PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560          397759.280

.........LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652          397759.890

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        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397761.893991                                                                    SERIAL # 192

.........PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560          397761.280

.........LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652          397761.890

*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397763.892019                                                                    SERIAL # 193

.........PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560          397763.280

.........LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652          397763.890

*****************************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1
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```
TIME =  397765.891257                                                    SERIAL # 194

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397765.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397765.880
*****************************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397767.882196                                                    SERIAL # 195

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397767.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397767.880
*****************************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397769.[illegible]1178                                           SERIAL # 196

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397769.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397769.890
*****************************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397771.881428                                                    SERIAL # 197

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397771.280

........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397771.880
*****************************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  397773.[illegible]4                                              SERIAL # 198

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397773.[illegible]
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.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397773.0

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        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397775.891939                                                    SERIAL # 199

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397775.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397775.8 0

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397777.941 1                                                     SERIAL # 200

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397777.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397777.8 0

*****************************************************************************************************************

        BEGIN    +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397779.821133                                                    SERIAL # 201

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397779.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397779.880

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397781.892530                                                    SERIAL # 202

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397781.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397781.880

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        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397784.891117                                                    SERIAL # 203

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397783.290

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397783.490

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397785.891181                                                    SERIAL # 204

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397785.230

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397785.[illegible]

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397787.893578                                                    SERIAL # 205

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397787.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397787.890

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397789.891130                                                    SERIAL # 206

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        397789.230

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        397789.890

*****************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].894274                                            SERIAL # 207
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```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3977[illegible]1.250

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1[illegible]52        3[illegible]7791.690

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  3977[illegible]3.081884                                                    SERIAL # 208

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1[illegible]60        3[illegible]793.[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1[illegible]52        [illegible]7793.[illegible]

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397795.091181                                                              SERIAL # 209

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,156[illegible]        397795.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        397795.850

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397797.[illegible]8621                                                     SERIAL # 210

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        [illegible]7797.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        [illegible]7797.850

*****************************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible].[illegible]1831                                             SERIAL # 211

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,156[illegible]        [illegible]7795.[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        [illegible]7795.850
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**********************************************************************************************************************

        REGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3978[illegible].85114C                                                    SERIAL # 212

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        3978C1.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        3978[illegible].890

**********************************************************************************************************************

        REGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3978[illegible].93447                                                     SERIAL # 213

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        3978[illegible].280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        3978[illegible].890

**********************************************************************************************************************

        REGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3978[illegible].[illegible]2628                                           SERIAL # 214

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        3978[illegible].280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        3978[illegible].890

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        REGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3978[illegible].[illegible]4013                                           SERIAL # 215

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        3978[illegible].280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        3978[illegible].890

**********************************************************************************************************************

        REGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3978[illegible].[illegible]144F                                           SERIAL # 216
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397809.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397809.890

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397811.842027                                                    SERIAL # 217

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397811.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397811.890

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397813.191149                                                    SERIAL # 218

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397813.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397813.890

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397815.891126                                                    SERIAL # 219

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397815.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      397815.890

*****************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397817.925 1                                                     SERIAL # 220

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      397817.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
```

```
E4,1652        [illegible]7817.890
*****************************************************************************************************************

        EDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 221

.........PIPTIME1          DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        [illegible]7.196.280

.........LRVTIME           DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        [illegible]
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 222

.........PIPTIME1          DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        [illegible]7821.280

.........LRVTIME           DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        397821.890
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 223

.........PIPTIME1          DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        397823.280

.........LRVTIME           DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        [illegible]
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 224

.........PIPTIME1          DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        [illegible]
.........LRVTIME           DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        [illegible]
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1
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TIME = 397[illegible]7.8861[illegible]                                    SERIAL # 225

oooooooo PIPTIME1        DOUBL   PIPTIME1 +1      .01 B+28
E7,1560        397827.2[illegible]

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397827.[illegible]

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        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME = 397[illegible].892647                                              SERIAL # 226

oooooooo PIPTIME1        DOUBL   PIPTIME1 +1      .01 B+28
E7,1560        397829.2[illegible]0

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+26
E4,1652        397829.830

*****************************************************************************************************************

        BEGINS   +[illegible]    DUMP    LRVTIME          PIPTIME1 +1

TIME = 397[illegible]1.891143                                             SERIAL # 227

oooooooo PIPTIME1        DOUBL   PIPTIME1 +1      .01 B+28
E7,1560        397831.2[illegible]0

oooooooo LRVTIME         DOUBL   LRVTIME  +1      .01 B+28
E4,1652        397831.[illegible]

*****************************************************************************************************************

        BEGINS   +4      DUMP    LRVTIME          PIPTIME1 +1

TIME = 397833.871213                                                      SERIAL # 228

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397833.242

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397833.70[illegible]

*****************************************************************************************************************

        BEGINS   +[illegible]    DUMP    LRVTIME          PIPTIME1 +1

TIME = 397[illegible].8[illegible]11[illegible]1                                  SERIAL # 229

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397835.2[illegible]0
```

```
.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397 35.880

*****************************************************************************************************************

        RECINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397 37.871141                                                    SERIAL # 230

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397837.880

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397837.870

*****************************************************************************************************************

        RECINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397 39.871126                                                    SERIAL # 231

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397839.880

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397 39.870

*****************************************************************************************************************

        RECINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397 40.01156                                                     SERIAL # 232

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397841.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397842.000

*****************************************************************************************************************

        RECINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  397 44.0234                                                      SERIAL # 233

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397843.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397 44.000

*****************************************************************************************************************
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```
        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]7 [illegible]6.[illegible]01 5                                                    SERIAL # 234

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        3[illegible]7845.240

oooooooo LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        3[illegible]7846.000

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]7847.991629                                                                       SERIAL # 235

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        3[illegible]7847.2[illegible]0

oooooooo LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        3[illegible]7847.990

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        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]7[illegible].002[illegible]4                                                      SERIAL # 236

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        3[illegible]7849.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        3[illegible]785[illegible]

*****************************************************************************************************************

        BEGINS   +       DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]7851.991191                                                                       SERIAL # 237

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1       .01 B+28
E7,1560        3[illegible]7851.2[illegible]0

oooooooo LRVTIME         DOUBLE   LRVTIME  +1       .01 B+28
E4,1652        3[illegible]7851.990

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]1147                                                                              SERIAL # 238
```

```
oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397857.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397854.00

*****************************************************************************************************************

        RLGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397858.001140                                                    SERIAL # 239

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397855.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397856.000

*****************************************************************************************************************

        RLGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].991125                                               SERIAL # 240

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397857.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397857.990

*****************************************************************************************************************

        RLGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397859.991[illegible]                                            SERIAL # 241

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397859.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397859.990

*****************************************************************************************************************

        RLGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].039 7                                             SERIAL # 242

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397861.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397862.000
```

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*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397864.0011121                                                          SERIAL # 243

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397863.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397864.00

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].0001146                                                  SERIAL # 244

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397865.2[illegible]0

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+29
E4,1652      397[illegible]

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible]                                                          SERIAL # 245

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560      397867.2[illegible]0

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397867.[illegible]0

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397870.001131                                                           SERIAL # 246

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1[illegible]

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652      397870.3[illegible]

*****************************************************************************************************************************

        REGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]1176                                                         SERIAL # 247
```

```
.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397871.290

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397872.[illegible]

*****************************************************************************************************************************

        RECIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible]73.[illegible]11 5                                                  SERIAL # 248

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397[illegible].290

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397[illegible].490

*****************************************************************************************************************************

        RECIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  397875.91180                                                                      SERIAL # 249

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397875.210

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397875.490

*****************************************************************************************************************************

        RECIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible]73.[illegible]1169                                                  SERIAL # 250

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+2[illegible]
E7,156[illegible]        397877.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397877.0[illegible]

*****************************************************************************************************************************

        RECIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  397[illegible]7[illegible].[illegible]1136                                        SERIAL # 251

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,156[illegible]        397[illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
```

E4,1[illegible] [illegible]78[illegible].990

****

[illegible]EGINS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3[illegible]1262 SERIAL # 252

oooooooo PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]

oooooooo LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 97682.000

****

REGINS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3[illegible].991130 SERIAL # 253

oooooooo PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]

oooooooo LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 3978[illegible].990

****

REGINS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3[illegible]1[illegible] SERIAL # 254

oooooooo PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 3978[illegible].280

oooooooo LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 [illegible]5.990

****

REGINS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3[illegible]3904 SERIAL # 255

oooooooo PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]

oooooooo LRVTI DOUBLE L VTIME +1 .01 B+28
E4,1[illegible] [illegible]8.00

****

RE INS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 397[illegible].0011[illegible] SERIAL # 256

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 8+28
E7,1560 397885.280

.....LRVTIME DOUBLE LRVTIME +1 .01 8+28
E4,1652 397890.030

****

RUGIMS +3 LUMP LRVTIME PIPTIME1 +1

TIME = 397 [illegible]0024[illegible] SERIAL # 257

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 8+28
E7,1560 397[illegible]1.230

.....LRVTIME DOUBLE LRVTIME +1 .01 8+28
E4,1652 397802.030

last time update found

****

RUGIMS +3 LUMP LRVTIME PIPTIME1 +1

TIME = 979[illegible].791139 SERIAL # 258

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 8+28
E7,1560 [illegible]79[illegible]9.240

.....LRVTIME DOUBLE LRVTIME +1 .01 8+28
E4,1652 [illegible]79[illegible]9.790

****

RUGIMS +3 LUMP LRVTIME PIPTIME1 +1

TIME = [illegible]7911.781536 SERIAL # 259

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 8+28
E7,1560 [illegible]79[illegible].200

.....LRVTIME DOUBLE LRVTIME +1 .01 8+28
E4,1652 [illegible]79[illegible].780

****

RUGIMS +3 LUMP LRVTIME PIPTIME1 +1

TIME = 7[illegible]1.7[illegible]117[illegible] SERIAL # 260

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 8+28
E7,1560 397[illegible]13.280

```
oooooooo LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        97[illegible]1.7[illegible]

*****************************************************************************************************************

        BEGIN   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  39791[illegible].781125                                                    SERIAL # 261

oooooooo PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        39791.280

oooooooo LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        97915.780

*****************************************************************************************************************

        BEGIN   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                SERIAL # 262

oooooooo PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        39791[illegible].2[illegible]

oooooooo LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]9791[illegible].000

*****************************************************************************************************************

        BEGIN   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                SERIAL # 263

oooooooo PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible].280

oooooooo LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        39792[illegible].000

*****************************************************************************************************************

        BEGIN   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                SERIAL # 264

oooooooo PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible] 21.[illegible]

oooooooo LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

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```

```
        RECIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 265

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        [illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        [illegible]
*****************************************************************************************************************

        RECIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 266

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        [illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        [illegible]
      SITE
   1.55[illegible] 1496  E  -[illegible]2957[illegible]86[illegible]293  05  -[illegible].90512252677  04  [illegible].97925279999  05
*****************************************************************************************************************

        RECIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 267

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        [illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        [illegible]
*****************************************************************************************************************

        RECIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 268

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        [illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        [illegible]
*****************************************************************************************************************

        RECIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 269
```

```
.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        3979[illegible]1.28C

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        3979[illegible]

*****************************************************************************************************************

        RLGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]114C                                                    SERIAL # 270

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,15[illegible]        [illegible]79[illegible].2[illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]79934.0[illegible]

*****************************************************************************************************************

        RLGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  3079[illegible].CC162[illegible]                                   SERIAL # 271

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,15[illegible]        [illegible]793[illegible].28C

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]7936.0[illegible]

*****************************************************************************************************************

        RLGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]7.894379                                                SERIAL # 272

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]7[illegible].28C

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]7.89C

*****************************************************************************************************************

        RLGIMS   +3        DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]99125                                                   SERIAL # 273

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,15[illegible]        [illegible]79[illegible].2[illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
```

2.

```
E4,1652        3[illegible]

*****************************************************************************************************************************

        RUGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 274

********PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

********LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************************

        RUGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 275

********PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

********LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************************

        RUGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 276

********PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

********LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************************

        RUGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                    SERIAL # 277

********PIPTIME1          DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

********LRVTIME           DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************************

        RUGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1
```

```
TIME =  3[illegible]C0112B                                                    SERIAL # 278

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]2450.230

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]7954.000

*****************************************************************************************************************

        [illegible]IMS  +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]2.C0118B                                                   SERIAL # 279

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]7951.230

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]7952.000

*****************************************************************************************************************

        RLGIMS  +2      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]4. C11 B                                                   SERIAL # 280

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]7953.280

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1[illegible]2        [illegible]7954.000

*****************************************************************************************************************

        RLGIMS  +[illegible]    DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]5 .CC2[illegible]8                                         SERIAL # 281

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]7955.230

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]7955 . CC

*****************************************************************************************************************

        RLGIM[illegible]  +[illegible]    DUMP    L[illegible]VTIME        PIPTIME1 +1

TIME =  [illegible]2[illegible]                                               SERIAL # 282

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]7957.280
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........LRVTIME        DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3[illegible]795[illegible].00[illegible]
*****************************************************************************************************************

        RDCIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  39[illegible].CC1[illegible]8                                                    SERIAL # 283

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        39795.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        39[illegible]66.[illegible]0
*****************************************************************************************************************

        RDCIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]7[illegible].0[illegible]24c2                                         SERIAL # 284

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        39961.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3[illegible]962.000
*****************************************************************************************************************

        RDCIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  3[illegible]4.CC1[illegible]44                                                   SERIAL # 285

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        39963.280

........LRVTIME        DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        39964.[illegible]0
*****************************************************************************************************************

        RDCIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  39[illegible]66.C1132                                                            SERIAL # 286

........PIPTIME1       DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        3[illegible]7 66.[illegible]0

........LRVTIME        DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3[illegible]
*****************************************************************************************************************
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```
        BEGINS   +2      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].0028[illegible]                                                    SERIAL # 287

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        397567.2-0

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        397568.000

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397565.99[illegible]29                                                            SERIAL # 288

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        397569.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        397569.990

*****************************************************************************************************************

        BEGINS   +[illegible]    DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].[illegible]                                                        SERIAL # 289

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        397971.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        397972.010

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  397974.[illegible]143                                                             SERIAL # 290

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560        397973.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652        397974.0[illegible]0

*****************************************************************************************************************

        BEGINS   +[illegible]    DUMP     LRVTIME          PIPTIME1 +1

TIME =  397[illegible].[illegible]                                                        SERIAL # 291
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397975.2[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397975.99[illegible]

*****************************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  39767.002421                                                    SERIAL # 292

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397977.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397978.000

*****************************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible].003251                                              SERIAL # 293

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397[illegible].280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397980.000

*****************************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible].002012                                              SERIAL # 294

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        397981.2[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397982.000

*****************************************************************************************************************************

        RECIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible].000926                                              SERIAL # 295

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        397984.000
```

****

REGIMS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3[illegible]7[illegible]0 4:52 SERIAL # 296

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]979 5.280

.....LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 [illegible]397986.[illegible]0

****

REGIMS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 3979 6.0[illegible]1279 SERIAL # 297

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 3979 7.2[illegible]0

.....LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 [illegible]397388.0[illegible]0

****

REGIMS +3 DUMP LRVTIME PIPTIME1 +1

TIM[illegible] = [illegible]1150 SERIAL # 298

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]798 .[illegible]0

.....LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 3979[illegible].[illegible]0

****

REGIMS +[illegible] DUMP LRVTIME PIPTIME1 +1

TIME = 3979[illegible]1.[illegible]2924 SERIAL # 299

.....PIPTIME1 DOUBLE PIPTIME1 +1 .01 B+28
E7,1560 [illegible]79[illegible].23[illegible]

.....LRVTIME DOUBLE LRVTIME +1 .01 B+28
E4,1652 [illegible]79591.990

****

REGIMS +3 DUMP LRVTIME PIPTIME1 +1

TIME = 397 94.0[illegible]1143 SERIAL # 300

```
........PIPTIME1        DBL LC  PIPTIME1 +1      .01 8+28
E7,1560      3979[illegible].290

........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      3979[illegible].000
*****************************************************************************************************************

        RUGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 301

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      [illegible]
........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      3979[illegible].000
*****************************************************************************************************************

        RUGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 302

........PIPTIME1        DBLE    PIPTIME1 +1      .01 8+28
E7,1560      [illegible].280
........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      3979[illegible]
*****************************************************************************************************************

        RUGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 303

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      3979[illegible].280
........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652      3980[illegible].000
*****************************************************************************************************************

        RUGINS   +3     DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 304

........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560      [illegible]
........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
```

```
E4,1652        398002.070

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  398002.981149                                                    SERIAL # 305

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        398002.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        398003.900

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  398006.026[illegible]2                                           SERIAL # 306

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        398005.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        398006.070

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  398007.991125                                                    SERIAL # 307

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        398007.270

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        398007.990

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  398[illegible].991129                                            SERIAL # 308

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        398008.290

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        398[illegible].990

*****************************************************************************************************************

        BEGINS   +3      DUMP     LRVTIME          PIPTIME1 +1
```

```
TIME =  [illegible] 12.702541                                                    SERIAL # 309

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398011.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398012.[illegible]

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible] 13.991126                                                    SERIAL # 310

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398013.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398013.990

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible] 1.0011 8                                                     SERIAL # 311

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398015.2 0

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398016.00

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible] 1.001102                                                     SERIAL # 312

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398017.280

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398018.000

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible] 1.031169                                                     SERIAL # 313

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398019.280
```

```
.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        3 8019.96

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  3 8602.0 03839                                                    SERIAL # 314

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        9 621.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        9 022.  0

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  3 - 24.  1141                                                     SERIAL # 315

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        9 24.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        9 024.000

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  3 8 .  .  9932-7                                                  SERIAL # 316

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        9 8025.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        9 8025.990

*****************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  3 7.  .  1143                                                     SERIAL # 317

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        9 6027.30

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        9 027.30

*****************************************************************************************************************
```

```
        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible]                                                     SERIAL # 318

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560         [illegible]

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652         [illegible]

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible]                                                     SERIAL # 319

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560         [illegible]

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652         [illegible]

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible]                                                     SERIAL # 320

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560         [illegible]

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652         [illegible]

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible]                                                     SERIAL # 321

........PIPTIME1        DOUBLE  PIPTIME1 +1     .01 B+28
E7,1560         [illegible]

........LRVTIME         DOUBLE  LRVTIME  +1     .01 B+28
E4,1652         [illegible]

*****************************************************************************************************************

        REGIMS   +3     DUMP    LRVTIME         PIPTIME1 +1

TIME =  [illegible]                                                     SERIAL # 322
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        398037.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        398037.26

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  398[illegible].552407                                          SERIAL # 323

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        398039.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        398039.590

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  398[illegible]41.551142                                        SERIAL # 324

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        398041.80

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        398041.60

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  398[illegible]44.[illegible]1141                               SERIAL # 325

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        398[illegible]43.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        398[illegible]44.[illegible]20

*****************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME         PIPTIME1 +1

TIME =  398145.571144                                                  SERIAL # 326

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 8+28
E7,1560        398145.[illegible]

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 8+28
E4,1652        398145.570
```

```
*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  39[illegible]4.0112                                                    SERIAL # 327

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560       398047.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652       398048.000

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  39[illegible]49.961173                                                 SERIAL # 328

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560       [illegible]49.2[illegible]0

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652       398049.9[illegible]0

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  398[illegible]5.[illegible]1121                                        SERIAL # 329

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560       [illegible]51.23

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652       398[illegible]52.000

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  39[illegible]5[illegible].961126                                       SERIAL # 330

.........PIPTIME1        DOUBLE   PIPTIME1 +1      .01 8+28
E7,1560       398053.280

.........LRVTIME         DOUBLE   LRVTIME  +1      .01 8+28
E4,1652       398053.960

*****************************************************************************************************************

        RDGIMS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]5.7                                                         SERIAL # 331
```

```
.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      398055.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      398056.000

*****************************************************************************************************************************

        BEGINS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  398057.01147                                                          SERIAL # 332

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      398057.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      398057.960

*****************************************************************************************************************************

        BEGINS   +4      DUMP    LRVTIME          PIPTIME1 +1

TIME =  398060.03228                                                          SERIAL # 333

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      398060.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      398060.960

*****************************************************************************************************************************

        BEGINS   +5      DUMP    LRVTIME          PIPTIME1 +1

TIME =  398061.06112                                                          SERIAL # 334

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      398061.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      398061.960

*****************************************************************************************************************************

        BEGINS   +6      DUMP    LRVTIME          PIPTIME1 +1

TIME =  398062.09141                                                          SERIAL # 335

.........PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      398062.280

.........LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
```

```
E4,1652        [illegible]64.[illegible]C

*****************************************************************************************************************

        [illegible]  +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                          SERIAL # 336

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        BEGIMS   +[illegible]    DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                          SERIAL # 337

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        BEGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                          SERIAL # 338

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        BEGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                          SERIAL # 339

.........PIPTIME1          DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME           DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        BEGIMS   +[illegible]    DUMP    LRVTIME          PIPTIME1 +1
```

```
TIME =  [illegible]                                                    SERIAL # 340

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      [illegible]

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      [illegible]

********* ************** ***********************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 341

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      [illegible]

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      [illegible]

***********************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 342

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      [illegible]

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      [illegible]

***********************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 343

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      [illegible]

oooooooo LRVTIME         DOUBLE  LRVTIME  +1      .01 B+28
E4,1652      [illegible]

***********************************************************************************************************************

        REGIMS   +3      DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 344

oooooooo PIPTIME1        DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560      [illegible]
```

```
.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398081.700

*****************************************************************************************************************

        RDGIMS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                  SERIAL # 345

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        398083.660

*****************************************************************************************************************

        RDGIMS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                  SERIAL # 346

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        RDGIMS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                  SERIAL # 347

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        398087.280

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************

        RDGIMS   +3       DUMP    LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                                  SERIAL # 348

.........PIPTIME1         DOUBLE  PIPTIME1 +1      .01 B+28
E7,1560        [illegible]

.........LRVTIME          DOUBLE  LRVTIME  +1      .01 B+28
E4,1652        [illegible]

*****************************************************************************************************************
```

```
        RECINS   +2      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]                                                    SERIAL # 349

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]091.2[illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]091.6[illegible]

*****************************************************************************************************************

        RECINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].701128                                             SERIAL # 350

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]0[illegible]2.2[illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]093.70[illegible]

*****************************************************************************************************************

        RECINS   +5      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].61124                                              SERIAL # 351

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]095.2[illegible]

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]35.66[illegible]

*****************************************************************************************************************

        RECINS   +        DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible]97.721134                                           SERIAL # 352

oooooooo PIPTIME1        DOUBLE   PIPTIME1 +1      .01 B+28
E7,1560        [illegible]97.280

oooooooo LRVTIME         DOUBLE   LRVTIME  +1      .01 B+28
E4,1652        [illegible]7.72[illegible]

*****************************************************************************************************************

        RECINS   +3      DUMP     LRVTIME          PIPTIME1 +1

TIME =  [illegible].21141                                              SERIAL # [illegible]
```

•••••••••PIPTIME[illegible] DOUBLE PIPTIME1 +1 .01 8+28
E7,156C [illegible].28U

•••••••••LRVTIME DOUBLE LRVTIME +1 .01 8+28
E4,1752 [illegible]40

	SITE GT				CPCSSPANGE		COWRANGE		CVIDOWN	
[illegible]	-4.[illegible]8.4659	C2	-3.38556196453	02	5.55868324659	C2	-3.38556196453	02	6.61700574535	03

YCLK INSTRUCTIONS ARE ABOUT TO BE READ:

```
WORD:    9   6   6  51  13  13  13  13  13
WORD:        52  25  20  21  13  13  13
```

GUIDANCE PERIOD VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 1.

```
WORD:   39  16  38  51  13  13  13  13  13
WORD:   50  51  17  27  20  17  41  20  13
WORD:   50  71  51  13  13  13  13  13  13
WORD:   38   7  21  13  13  13  13  13  13
```

THRUST AND THRUST DESIRED VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 2.

CDUX AND CDUXD VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 3.

CDUY AND CDUYD VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 4.

CDUZ AND CDUZD VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 5.

RCS FUEL USAGE VERSUS TIME FOR WHOLE RUN

FRAME NUMBER 6.

THRUST AND THRUST DESIRED VERSUS TIME FOR P66 AND CA

FRAME NUMBER 7.

CDUX AND CDUXD VERSUS TIME FOR P66 AND CA

FRAME NUMBER 8.

CDLY AND CDUYD VERSUS TIME FOR P66 AND ON

FRAME NUMBER 9.

CDLZ AND CDUZD VERSUS TIME FOR P66 AND ON

FRAME NUMBER 10.

THLL AND DISPLAYED LEG ANGLE VERSUS TIME FOR P66 AND ON

FRAME NUMBER 11.

SPACE CRAFT AND TERRAIN ALTITUDE VERSUS TIME FOR P64 AND ON

THIS PLOT WAS NOT PLOTTED BECAUSE THE RUN ENDED TOO SOON.

ALTITUDE RATE VERSUS TIME FOR P64 AND ON

THIS PLOT WAS NOT PLOTTED BECAUSE THE RUN ENDED TOO SOON.

SPACE CRAFT AND TERRAIN ALTITUDE VERSUS RANGE FOR WHOLE RUN

FRAME NUMBER 12.

ALTITUDE RATE VERSUS RANGE FOR WHOLE RUN

FRAME NUMBER 13.

GROUND TRACK VERSUS RANGE FOR WHOLE RUN

FRAME NUMBER 14.

GROUND TRACK VERSUS RANGE FOR P66 AND ON

FRAME NUMBER 15.

SPACE CRAFT AND TERRAIN ALTITUDE VERSUS RANGE FOR P64 AND ON

THIS PLOT WAS NOT PLOTTED BECAUSE THE RUN ENDED TOO SOON.

ALTITUDE RATE VERSUS RANGE FOR P64 AND LA

THIS PLOT WAS NOT PLOTTED BECAUSE THE RUN ENDED TOO SOON.

******* FILEPLOT HAS CREATED DATA SET SYSPLOT.7285.A113170.C070C78.C2C6322

******* PHYSICAL DATA: FRAMES= 15, JOB LENGTH= 233", MAX FRAME= 12", AVG FRAME= 11"

**END OF JOB VIA CALL FILEPLOT,(-N)
MAIN PROG [illegible] ENTERED AT ENTRY #2

*** THE MASSCT TAPE USED IN THIS JOB STEP HAS BEEN SAVED.

[illegible] TEST PORTEM ANALYSIS

TERMINATION CONDITION: NORMAL

CONTROLLING MAIN PROGRAM AT TERMINATION WAS COMMON.FILEPLOT

BLOCK # 1

BLOCK ADDRESS 520 (HEXADECIMAL) 1312 (DECIMAL)

PROGRAM TERMINATED AT STATEMENT #002800

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

SUBROUTINE	BLOCK #	BLOCK ADDRESS
COMMON.LETPPLOT	1	402
COMMON.DINPLOT	13	718
EDIT.CONTROL	1	382

CURRENT FILE INDEX SETTINGS:

DATAFILE READ	2283
DATAFILE WRITE	1010
CALLFILE READ	0
CALLFILE WRITE	0

RUN TIME WAS 2.7666 SECONDS. THERE WERE 40 PBLK LOADS, 1883 DBLK LOADS

END OF PROJECT TIME JOB STEP

```
IEF285I   SYS1.MACPAC                                          KEPT
IEF285I   VOL SER NOS= SYSLI[illegible].
IEF285I   SYS1.MACEXT                                          KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   SYS70078.T[illegible]2648.SV[illegible].A113170.R0000009      SYSCLT
IEF285I   VOL SER NOS= SYSIC1.
IEF285I   SYS70078.T002648.SV[illegible].A113170.R0000010      SYSCLT
IEF285I   VOL SER NOS= SYSI[illegible]1.
IEF285I   SYS1.SIMADF                                          KEPT
IEF285I   VOL SER NOS= SYSTEM.
IEF285I   SYS1.SIMADF1                                         KEPT
IEF285I   VOL SER NOS= STC[illegible].
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000011      DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   SYS1.MACEXT                                          KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   AGCSIM.ADATA                                         KEPT
IEF285I   VOL SER NOS= STIN[illegible].
IEF285I   MACPRG.COMMON.LETRPLOT                               KEPT
IEF285I   VOL SER NOS= MCP.01.
IEF285I   MACPRG.COMMON.DINPLOT                                KEPT
IEF285I   VOL SER NOS= MCP002.
IEF285I   MACPRG.EDIT.CONTROL                                  KEPT
IEF285I   VOL SER NOS= MCP004.
IEF285I   MACDATA.UNIV.EPRM470                                 KEPT
IEF285I   VOL SER NOS= MCP005.
IEF285I   MACPRG.COMMON.VERPLOT                                KEPT
IEF285I   VOL SER NOS= MCP006.
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000017      KEPT
IEF285I   VOL SER NOS= MCP007.
IEF284I   SYS70078.T020246.RV[illegible].A113170.RSYSPLOT      NOT DELETED R
IEF285I   VOL SER NOS= SYS002 1.
IEF285I   SYSPLOT.CATLG                                        KEPT
IEF285I   VOL SER NOS= STC[illegible].
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000019      DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000020      DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   AGCPRG.LUMINARY. 116                                 KEPT
IEF285I   VOL SER NOS= AGCP02.
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000022      DELETED
IEF285I   VOL SER NOS= SYSIC[illegible].
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000023      DELETED
IEF285I   VOL SER NOS= SYSIC3.
IEF285I   TAPDIRB                                              KEPT
IEF285I   VOL SER NOS= STCR01.
IEF285I   TAPDIRS                                              KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   MARSBETA                                             KEPT
IEF285I   VOL SER NOS= MTC396.
IEF285I   TALEFF                                               KEPT
IEF285I   VOL SER NOS= STCR02.
IEF285I   SYS70078.T002648.RV[illegible].A113170.R0000025      DELETED
IEF285I   VOL SER NOS= SYSIC3.
IEF285I   AGCSIM.STATDATA                                      KEPT
IEF285I   VOL SER NOS= STCR03.
IEF285I   SYS70078.T[illegible]2648.RV[illegible].A113170.S0000026      SYSIN
IEF285I   VOL SER NOS= SYSIC3.
IEF285I   SYS70078.T[illegible].RV[illegible].A113170.S0000026      DELETED
IEF285I   VOL SER NOS= SYSIC3.
```

```
IEF [illegible] I K [illegible] C ,MT0[illegible],A[illegible]17C,[illegible]
END STEP [illegible]: A11[illegible]17C R                SYSTEM CODE=303,USER CODE=C0[illegible]C          STEP TIME:  85.980 MIN   03/19/70 02:07:01

END JOB: A11[illegible]17C    [illegible]77                                EYLES.D              PRTY=13  JOB TIME:  86.063 MIN   03/19/70 02:07:01

BASIC CR  DECEMBER, 1 6    ACCOUNTING, THIS JOB COST    502.63 DOLLARS.

THIS ACCOUNT BUDGET:  TB=  [illegible]4C.CCC MIN,   TL=  2627.754 MIN,   TI=     0.000 MIN.

*****************************************************************************************************************
```

```
AAAAAAAAAA      11        11      3333333333  2222222222  00000000  5555555555
AAAAAAAAAAAA    11        111     3333333333  2222222222  00000000  5555555555
AA      AA    1111      1111    33      33  22      22  00      00  55
AA      AA      11        11              33          22  00      00  55
AA      AA      11        11              33          22  00      00  55
AAAAAAAAAAAA    11        11            3333        22    00      00  5555555555
AAAAAAAAAAAA    11        11            3333      22      00      00  5555555555
AA      AA      11        11              33    22        00      00        55
AA      AA      11        11              33  22          00      00        55
AA      AA      11        11      33      33  22          00      00        55
AA      AA  11111111  11111111  3333333333  2222222222  00000000  5555555555
AA      AA  11111111  11111111  3333333333  2222222222  00000000  5555555555
```

****

```
 AAAAAAAAAA      11        11      3333333333    2222222222    00000000    5555555555
AAAAAAAAAAAA    1111      1111    3333333333333 2222222222222 0000000000  5555555555
AA        AA   11 11    11 11    33        33  22        22  00        00  55
AA        AA   11 11    11 11              33            22  00        00  55
AA        AA   11 11    11 11              33            22  00        00  55
AAAAAAAAAAAA   11 11    11 11            3333          22    00        00  555555555
AAAAAAAAAAAA   11 11    11 11            3333          22    00        00  555555555
AA        AA   11 11    11 11              33        22      00        00          55
AA        AA   11 11    11 11              33      22        00        00          55
AA        AA   11 11    11 11  33          33    22          00        00          55
AA        AA   11 11    11 11  33          33    22          00        00          55
AA        AA   11 11    11 11  33          33    22          
```

JOB A[illegible]

********** [illegible] MODOR , [illegible] HELP FOR YOUR COMPUTER PROBLEMS.

DCC STAFF MEMBERS [illegible] AVAILABLE TO HELP YOU WITH YOUR COMPUTER PROBLEMS:

MARTHA PENNELL	GENERAL CONSULTING CATALOGED PROCEDURES FORTRAN,PL/I,RAL LIPSVC,FORMAC,CRBE PUBLISHER PLOTTING	IL7-116 X821-1[illegible]
DAVE LYNDE	MAC,MAC-TO-FORTRAN	IL7-116B X821-467
[illegible]TTY SILVE	CRBE,SYSTEM	IL7-121 X821-1[illegible]
NANCY CLARK	MAC,FORTRAN,PLOTTING PL/I	IL7-149 C X821-585
[illegible] ROBERTS	LIPSVC	IL7-125 X821-191
DAVE LATIMER	GAP	IL7-121 X821-1[illegible]
ANN HATHAWAY	MAC,FORTRAN,CRBE	IL7-149C X821-585
[illegible] FOUCHER	TAPE STORAGE ACCOUNTING ADMINISTRATION	IL7-151D X821-234
[illegible]RY VINING	SYSTEM,PACK MAINTENANCE	IL7-116 X821-448
[illegible]NIE SARINE	SYSTEM,PACK MAINTENANCE	IL7-129 X821-292
[illegible]ARBARA DEBORA	PUBLISHER,MANUALS,MEMOS	IL7-149B X821-231
[illegible] PINCKNEY	GAP,FFT PROGRAMS	IL7-135 X821-16[illegible]

****

```
//A12 [illegible]                                                    [illegible]LLCSS)

*        JOB: A[illegible]                    *
*   PROGRAMMER: [illegible]77                 *
*   PROGRAM GROUP: [illegible]                *
*        REFERENCE: [illegible] MS# [illegible] *
*   TEXT DESIGNATOR: [illegible]              *
*   HARDCOPY NAME: [illegible]                *

//
XXF      EXEC PGM=MACFETCH,[illegible]SIZE=[illegible]K,TIME=(2 ,F,[illegible]=MACSUPER
XXMACPAC  DD DSNAME=SYS3.MACPAC,DISP=SHR
XX        DD DSNAME=SY[illegible]MACEXT,DISP=SHR
XXSYSPRINT DD SYSOUT=A
XXSYSUDUMP DD SYSOUT=A,SPACE=(TRK,( ,5 ),RLSE)
XXSYSPUNCH DD DUMMY
XXADF     DD DSNAME=SYS1.SIMALF,DISP=SHR
XXADF1    DD DSNAME=SYS1.SIMADF1,DISP=SHR
XXPBF     DD UNIT=2[illegible],SPACE=(CYL,([illegible],2))
XXEXTLIB  DD DSNAME=SYS[illegible].MACEXT,DISP=SHR
XXSIMDAT  DD DSNAME=AGCSIM.MCAT,UNIT=2314,VOL=SER=STORE2,DISP=SHR
XXMAC1A   DD UNIT=2314,VOL=SER=MCP[illegible]1,DISP=OLD
XXMAC[illegible]  DD UNIT=2[illegible],VOL=SER=MCP[illegible]2,DISP=OLD)
XXMAC[illegible]  DD UNIT=2314,VOL=SER=MCP[illegible],DISP=OLD)
XXMAC3B   DD UNIT=2[illegible],VOL=SER=MCP[illegible],DISP=OLD)
XXMAC3F   DD UNIT=2[illegible],VOL=SER=MCP[illegible], ISP=OLD
XXMACSTAT DD UNIT=2314,VOL=SER=MCP[illegible]4,DISP=OLD)
XXSYSPLOT DD UNIT= 314,VOL=SER=SYS1[illegible],DISP=(OLD,DELETE)
XXCATLG   DD DSNAME=SYS.PLOT CATLG,DISP=SHR
XXDISKSYMB DD UNIT=2[illegible],SPACE=(CYL,(1,1))
XXSIMBINXX DD UNIT=2[illegible],SPACE=(CYL,(1,))
XXSIMDISKP DD UNIT=2[illegible],VOL=SER=ACC3[illegible]2,DISP=SHR
XXROLLBACK DD UNIT=SYSNA,SPACE=(CYL,(2,1,4))
XXMACSLIBO DD UNIT=SYSNA, PACE=(CYL,(1,1,[illegible]))
XXTAPEUIF1 DD DSNAME=TAPE[illegible],DISP=SH[illegible]
XXTAPEUIF2 DD DSNAME=TAPE[illegible], ISP=SH[illegible]
XXMARSL   DD UNIT=(TAP[illegible],,DEFER),LABEL=(,SL),DISP=(NEW,KEEP)
XXMARS[illegible]  DD UNIT=(TAP[illegible],,DEFER),LABEL=(,SL),DISP=(NEW,KEEP)
XXRADEFFDS DD DSNAME=RADEFF,UNIT=2314,VOL=SER=STORE2,DISP=SHR
XXSIMINPUT DD UNIT=SYSNA,SPACE=(TRK,(1 ,2))
XXAGCSTAT DD DSN=AGCSIM.STAT AT',DISP=SHR
//SYSIN DD *
//

BEGIN STEP [illegible]: REGION=[illegible] MAXTIME=[illegible] PGM=MACFETCH                    03/23/7[illegible] 03:56:01
IEF237I ALLOC. FOR A122[illegible]R
IEF237I MACPAC [illegible]N 347
IEF237I [illegible]N 347
IEF237I SYSP[illegible]N [illegible]
IEF237I SYSUDU[illegible]N [illegible]
IEF237I ADF [illegible]N 4[illegible]7
IEF237I ADF1 [illegible]N [illegible]4
```

```
IEF237I [illegible]
IEF237I [illegible]
IEF237I SIMOUT  ON [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I MACSTAT ON [illegible]
IEF237I SYSPRINT [illegible]
IEF237I CATL    ON [illegible]
IEF237I DISKSYM ON [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I [illegible]
IEF237I SIMINPUT [illegible]
IEF237I ASCSTAT [illegible]
IEF237I SYSIN   [illegible]
```

```
*       [illegible]
*       [illegible] LEVEL
*       FOR LEVELS USE [illegible]
*       FOR SMALL USE [illegible]
*       FOR SATURN USE [illegible]
*       FOR ATTITUDE USE [illegible]
*       FOR DISCONT USE [illegible]
*       FOR [illegible] USE [illegible]
*       FOR OPTICSBT USE [illegible]
*       FOR TARGET USE [illegible]
*       FOR ATTRNUT USE [illegible]
*       FOR UNIVERST USE LEM.AV.UNIVERS
*       FOR RADAR USE LEM.AVA
*       FOR PAPER.MOON USE LUNR.TERRAIN
*       LOAD FILE JPLUTIV EPHM=7
*       LOAD FILE APOLLO1..SITES
*       LOAD FILE LEM.NEXTBAL
*       [illegible]
```

*

[illegible] COLLECT TIME LOADING MAP

COLLECTING, FOR SUBPROGRAM MACPROG,COMMON.ENVCNTRL

MAP PROGRAM/LINKS IN EFFECT:

FOR	USED
COMMON.LVCPLK2	COMMON.NOPROG
COMMON.CSMPLK2	COMMON.NOPROG
COMMON.SATURN	COMMON.NOPROG
COMMON.ATTITUDE	COMMON.NOPROG
COMMON.DISCONT	COMMON.NOPROG
COMMON.LMPT	COMMON.NOPROG
COMMON.OPTICSB2	COMMON.NOPROG
COMMON.TARGET	COMMON.NOPROG
COMMON.ASTRNAUT	COMMON.CAST
COMMON.UNIVERSE	LGRAV.UNIVERSE
COMMON.RADAR	LEM.RADAR
PAPER.MOON	LUNAR.TERRAIN

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	COMMON.ENVCNTRL	ENTER MACEXIT MACABORT	[illegible]	[illegible]	17:26	
	COMMON.NOPROG		**UNRESOLVED**			
	COMMON.CAST	ASTSTART	[illegible]	1/26/70	16:11	
	COMMON.LEM	VI	[illegible]	1/30/70	19:5	
5	COMMON.PRELUNCH	PLSTART	[illegible]	[illegible]	15:11	
6	LGRAV.UNIVERSE	MP1	[illegible]	[illegible]	16:11	
7	LEM.RADAR	BEGIN	[illegible]	[illegible]	19: 7	
	COMMON.EDIT1		**UNRESOLVED**			
9	COMMON.EDIT2		**UNRESOLVED**			
10	COMMON.EDIT		**UNRESOLVED**			
11	COMMON.EDITA		**UNRESOLVED**			
[illegible]	COMMON.EDIT		**UNRESOLVED**			

```
[illegible]  [illegible]TRMAIN    LTI        [illegible]  1[illegible]/[illegible]  1[illegible]:29
[illegible]  [illegible]INPUTPR[illegible]  INPSTAIT  [illegible]  12/15/[illegible]  14:27
[illegible]  COMMON.INDBLK2   ISTART   [illegible]  [illegible]
                              ROLLINIT

[illegible] PROGRAMS COLLECTED:

  #       NAME       SIZE

  1     CLMXXXX  1[illegible]  42  RESIDENT
  2     LEAV-MSG     396
  3     EDITIO      1544
  4     RALLEFCY    1[illegible]
  5     COMBLK2     336  RESIDENT

COMMON AREA ALLOCATION:

  #    NAME      BASE ADDR

  1  COMMBLK      [illegible]
  2  #TEMPAC      [illegible]
  3  CALLFILE     9E676
  4  MSGTOIT      9E[illegible]
  5  WITCHES      F[illegible]
  6  CRTFILE      [illegible]
  7  TEMPREL      9E83[illegible]
  8  CDU          [illegible]

 TOTAL NUMBER OF BLKS COLLECTED:  2[illegible]

DATA FILE ACTIVATED, SIZE IS LARGE

DATA FILE COLLECTION LOG

 [illegible]JPL[illegible]IV.EPH4647   [illegible]
        ENTERED DATA FILE BLOCK  1175 STORED AS ACTIVE FILE BLOCK  1175
                                 1176                              1176
                                 1177                              1177
                                 1178                              1178
                                 1179                              1179
                                 1180                              1180
                                 1181                              1181
                                 1182                              1182
                                 1183                              1183
                                 1184                              1184
```

```
                                        1185                                    1185
                                        1186                                    1186
                                        1187                                    1187
                                        1188                                    1188
                                        1189                                    1189
                                        1190                                    1190
                                        1191                                    1191
                                        1192                                    1192
                                        1193                                    1193
                                        1194                                    1194
                                        1195                                    1195
                                        1196                                    1196
                                        1197                                    1197

 MAC=TA=AVAILABLE=SITE7 =3   1 /13/69    6:29
        RETRIEVED DATA FILE BLOCK  1132 STORED AS ACTIVE FILE BLOCK  1132
                                        1133                                    1133
                                        1134                                    1134

 MAC=TA=L=MO=NOMINAL        1/31/69   17:18
        RETRIEVED DATA FILE BLOCK  1156 STORED AS ACTIVE FILE BLOCK  1156
                                        1157                                    1157
                                        1158                                    1158
                                        1159                                    1159
                                        1160                                    1160


    MAC PROGRAM BLOCKS WERE LOADED.

 ERROR WAS ALLOCATED FOR  3 DATA BLOCKS

 THE CURRENT REGION SIZE IS 39*K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS: 135124 (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   7163.71 SECONDS
```

[illegible] INITIALIZATION AT [illegible] SEC. REAL TIME

A G C SIMULATION
COMMUNICATION [illegible]
SIMULATOR R 1

	SLAP1		PLOT [illegible]						22467					1
			PLOT	ACTIVITY								25[illegible]		1
			PLOT	DUTYCYCLE								0257		1
			UNPRINT	CLOCK										1
			TELEM	2										1
			TEMPCHK											1
			BACKGRND	12345						12345				1
			SNAP	[illegible]										1
			RESUMEMA	[illegible]										1
			RPTLOCK	25										1
	ADVAN		[illegible]				CONDITIONAL		13215			258		3
	NEWJOB		[illegible]	77777										
	VERBS		[illegible]						116[illegible]7			259		3
	COUZ		[illegible]						[illegible]34	[illegible]		260		2
	FLAGWORD		DCT	[illegible]					[illegible]77	10[illegible]		261		2
	FLAGWORD		DCT	[illegible]					[illegible]14	6		262		2
	FLGWORD		DCT	[illegible]					[illegible]	[illegible]		263		2
	TIME2		2D + 3971[illegible]		F			+3.9715342 E+ 5	[illegible]24	14567	35076	264		2
	TETLEM		[illegible] + 3971[illegible]		T			+3.9715342 E+ 5	[illegible]662	14567	35076	265		2
	TCLCSM		[illegible] + 3971[illegible]		T			+3.9713[illegible]2 E+ 5	[illegible]1576	14567	35076	266		2
	MASS		[illegible] +1.5113[illegible] E+ 4R-16 M					+1.5113[illegible] E+ 6	[illegible]1243	17342	10315	267		2
	RCVLEM		[illegible] -1.7[illegible]2729 E+ -8-27 -					-1.7[illegible]2729 E+ 6	166	77455	52376	268		2
	VCVLEM	+4	[illegible] +1.6[illegible]882 E+ 43-27 R					+1.65244882 E+ 4	[illegible]1662	[illegible]	34631	269		2
	RCVLEM	+4	[illegible] -2.[illegible]754712 E+ 58-27 LCON					-2.[illegible]754712 E+ 5	[illegible]1656	77733	51132	270		2
	VCVLEM		[illegible] -1.[illegible] E+ 8- 5 -					-1.[illegible] E+ 2	[illegible]1676	7676	40166	271		2
	VCVLEM	+4	[illegible] +1.411512[illegible] E+ 13- 5 V					+1.411512[illegible] E+ 3	[illegible]167	16174	3756[illegible]	272		2
	VCVLEM	+4	[illegible] +9.3[illegible]2331 E+ 8R-5 LCON					+9.3[illegible]2331 E+ 2	[illegible]1672	11233	01622	273		2
	RCECTLEM		[illegible] -1.7[illegible]2729 E+ 3- 7 -					-1.7258272[illegible] E+ 6	[illegible]1626	77455	52376	274		2
	RECTLEM	+4	[illegible] +5.6[illegible]882 E+ 48-27 R					+5.65244882 E+ 4	[illegible]1630	[illegible]	34631	275		2
	RCECTLEM	+4	[illegible] -2.[illegible]754712 E+ 58-27 L[illegible]					-2.[illegible]754712 E+ 5	[illegible]1632	77733	51132	276		2
	VRECTLEM		[illegible] -1.[illegible]1236 E+ 18- 5 -					-1.[illegible]1236 E+ 2	[illegible]1634	7676[illegible]	40164	277		2
	VECTLEM	+4	[illegible] +1.41[illegible] E+ 13- 5 V					+1.411512[illegible] E+ 3	1636	16174	37561	278		2
	VRECTLEM	+4	[illegible] +9.3[illegible]2331 E+ 18-5 L[illegible]					+9.3[illegible]2331 E+ 2	[illegible]1640	11233	01422	279		2
	RCVCSM		[illegible] -1.7[illegible]991 E+ 68-27 -					-1.7657[illegible]991 E+ 6	[illegible]1656	77446	71213	280		2
	RCVCSM	+4	[illegible] -1.[illegible]275 E+ 58-27 -					-1.[illegible]275 E+ 5	[illegible]1661	77762	71332	281		2
	RCVCSM	+4	[illegible] -4.[illegible]31176 E+ 58-27 LCON					-4.[illegible]31176 E+ 5	[illegible]1612	77714	42121	282		2
	VCVCSM		[illegible] -2.[illegible]72 E+ 8- 5 -					-2.[illegible]72 E+ 2	1614	75156	46676	283		2
	VCVCSM	+	[illegible] +1.355[illegible]76 E+ 18- 5 V					+1.355[illegible]76 E+ 3	1616	15432	03142	284		2
	VCVCSM	+4	[illegible] +8.5[illegible]765 E+ 8-5 LCON					+8.5[illegible]765 E+ 2	[illegible]1622	16446	37341	285		2
	RCECTCSM		[illegible] -1.7[illegible]991 E+ 68-27 -					-1.5[illegible]991 E+ 6	1554	77446	71213	286		2
	RECTCSM	+4	[illegible] -1.7[illegible]275 E+ 58-27 -					-1.[illegible]275 E+ 5	[illegible]1558	77762	71332	287		2
	RCECTCSM	+4	[illegible] -4.[illegible]31176 E+ 58-27 C					-4.[illegible]31176 E+ 5	[illegible]1560	77714	42121	288		2
	VCECTCSM		-2.[illegible]72 E+ 8- 5 -					-2.[illegible]72 E+ 2	1562	7515[illegible]	46676	289		2
	VCECTCSM	+4	[illegible] +1.3[illegible]76 E+ 18- 5 V					+1.355[illegible]76 E+ 3	[illegible]1564	15432	03142	290		2
	VRECTCSM	+4	[illegible] +8.57[illegible]765 E+ 8-5 L[illegible]					+8.57[illegible]765 E+ 2	[illegible]1566	16446	37341	291		2
	RFESMMAT		[illegible] -8.[illegible]7137 E- 1 -					-8.[illegible]7137 E- 1	1735	61727	46515	292		2
	RFESMMAT	+	[illegible] +4.[illegible]5[illegible] E- 1 RFESMMAT					+4.5[illegible]5[illegible] E- 1	1737	7824	15111	293		2
	RFESMMAT	+4	[illegible] +6.671[illegible]464					+6.342[illegible] E- 1	1737	[illegible]2114	[illegible]552[illegible]	294		2
	RFESMMAT	+	[illegible] -1.[illegible]7[illegible] E- 1 -					-1.[illegible]4[illegible]14 E- 1	1741	75335	52567	295		2
WARNING	RFESMMAT	+4	[illegible] RFESMMAT					-5.[illegible]2[illegible]7 E- 1	1743	67133	72536	296		2
WARNING	RFESMMAT	+4	[illegible]					+8.[illegible]3[illegible] E- 1	1745	15[illegible]43	[illegible]2137	297		2
WARNING	RFESMMAT	+	[illegible]					+[illegible] E- 1	1747	7110	136[illegible]6	298		2
WARNING	RFESMMAT	+4	[illegible] RFESMMAT					+6.[illegible] E- 1	1751	13135	22431	299		2
WARNING	RFESMMAT	+	+6.[illegible] E- 1					+6.5[illegible] E- 1	1755	14735	14652	300		2

T[illegible]	[illegible] +	T [illegible]	+1.[illegible] E+ 7	[illegible]	[illegible]	[illegible]	[illegible]	2
[illegible]	+ [illegible]	[illegible] SHOT OUT)		[illegible]	[illegible]	13640	[illegible]	2
[illegible]	[illegible] -	[illegible]	-2.74669 7E- 4	002112	77773	57774	0303	2
4LT +	[illegible]	L	-[illegible] E- 4	[illegible]	77774	43171	[illegible]	2
4LA +	[illegible]	LIMITATION	-2.[illegible] E- 4	[illegible]	77773	63525	[illegible]	2
AZO	2FEC [illegible]			[illegible]1711	37624	[illegible]1636	0306	2
-AYO	2DEC -[illegible]			[illegible]1713	77777	53172	0307	2
AXO	2FEC [illegible]			[illegible]1715	[illegible]	26056	[illegible]	2
RLS	[illegible] + 68-27 -		+1.59[illegible]443 E+ 6	002022	00302	14721	0309	2
RLI +	[illegible] E+ 58-27		-0.8[illegible]7 251 E+ 5	002024	77653	71666	[illegible]	2
RLI +	[illegible] E+ 48-27	LS	-[illegible]9E38 E+ 4	[illegible]02 20	77765	43723	0311	2
TLAND	2D + [illegible]	TLAND	+3.[illegible]E+ 5	[illegible]24FE	06576	05207	0312	2
PBIASX	OCT [illegible]		[illegible] CM/SEC	[illegible]1452	[illegible]		0313	2
PBIASY	OCT [illegible]2274		-2.2 CM/SEC	[illegible]1454	72274		0314	2
PBIASZ	OCT [illegible]1217		[illegible] CM/SEC	001456	01217		0315	2
PIPASCFX	OCT [illegible]		5///MILLION	[illegible]1453	10142		0316	2
PIPASCFY	OCT [illegible]7635		-5 /MILLION	[illegible]1455	47635		0317	2
PIPASCFZ	OCT [illegible]7746		[illegible] /MILLION	[illegible]1457	37746		0318	2
NBDX	OCT [illegible]271		1 MERU	[illegible]1460	[illegible]2771		0319	2
NBDY	OCT [illegible]		-1 MERU	[illegible]1461	[illegible]		0320	2
NBDZ	OCT [illegible]2737		44 MERU	[illegible]1462	12737		0321	2
ADIAX	OCT [illegible]		15 MERU/G	[illegible]1463	[illegible]		0322	2
ADIAY	OCT [illegible]1212		3[illegible] MERU/G	[illegible]1464	[illegible]1212		0323	2
ADIAZ	OCT [illegible]3126		22 MERU/G	[illegible]1465	13126		0324	2
ADSRAX	OCT [illegible]		15 MERU/G	[illegible]1466	[illegible]		0325	2
ADSRAY	OCT [illegible]		22 MERU/G	[illegible]1467	13126		0326	2
ADSRAZ	OCT 77171		-15 MERU/G	[illegible]1470	77171		0327	2
GCOMPSW	DEC [illegible]			[illegible]1477	[illegible]		0328	2
GCOMP +	2DEC [illegible]			[illegible]1471	[illegible]	[illegible]	0329	2
GCOMP +2	2DEC [illegible]			[illegible]1473	[illegible]	[illegible]	0330	2
GCOMP +4	2DEC [illegible]			[illegible]1475	[illegible]	[illegible]	0331	2
WREQDPLS	OCT [illegible]			[illegible]	[illegible]		0332	2
WREQDVEL	OCT [illegible]763			002[illegible]	[illegible]		0333	2
WSUPEPLS	OCT [illegible]76			002[illegible]	12764		0334	2
WSUPEVEL	OCT [illegible]7			[illegible]	[illegible]372		0335	2
WSHAFT	OCT 17270			002[illegible]	17270		0336	2
WTRUN	OCT 17270			[illegible]	1727		0337	2
RMAX	OCT [illegible]			[illegible]	[illegible]		0338	2
VMAX	OCT [illegible]			002[illegible]	[illegible]		0339	2
SHAFTVAR	DEC [illegible]			[illegible]	[illegible]		0340	2
TRUNVAR	DEC [illegible]			[illegible]	[illegible]		0341	2
RVAMIN	DEC 66[illegible] 3-17			[illegible]1774	[illegible]		0342	2
VVAMIN	DEC [illegible]17645 E-5 B1[illegible]			[illegible]1775	[illegible]165		0343	2
RANSHVAR	2DEC* [illegible]111 E-4 B12*			00177	1351	24734	0344	2
RATVAR	2DEC* [illegible]77777 E-5 B12*			[illegible]1772	[illegible]2354	[illegible]4754	0345	2
X7	DEC			[illegible]17[illegible]	[illegible]	[illegible]	0346	2
X7[illegible] +[illegible]	2DEC			[illegible]17[illegible]	[illegible]	[illegible]	0347	2
X7[illegible] +[illegible]	2DEC			[illegible]17[illegible]	[illegible]	[illegible]	0349	2
[illegible]J22K	OCT [illegible]			[illegible]1367	12164		0349	2
[illegible]2C3[illegible]	OCT [illegible]3363			001351	13363		0350	2
ATIGINC	2DEC 18[illegible]			[illegible]	[illegible]	3124	0351	2
PTIGINC	2DEC [illegible]			[illegible]3442	[illegible]	[illegible]3124	0352	2
AGSK	OCT [illegible]3 71			[illegible]	3671		0353	2
AGSK +1	OCT [illegible]2			[illegible]	[illegible]		0354	2
TNEWA	OCT [illegible]			[illegible]3431	[illegible]		0355	2
TNEWA +1	OCT [illegible]			[illegible]3432	175[illegible]		0356	2
ZOOMTIME	DEC [illegible]			[illegible]3422	[illegible]		0357	2

POLITIME	OCT	[illegible]			003001	05556		0358	2
PITTIME	OCT	6631			003002	06431		0359	2
POSTCRKV	DEC				003113	[illegible]	[illegible]	0360	2
POSTCRKU	DEC				003115	[illegible]	[illegible]	0361	2
POSTCRKV	DEC				003117	[illegible]	[illegible]	0362	2
THETC-IT	OCT	[illegible]			002560	00546		0363	2
THETC IT +1	OCT		5411		002561	05411		0364	2
RAMIN	OCT	43325			002562	03325		0365	2
AMIN +1	OCT		16761		002563	16761		0366	2
J1PARM	OCT	[illegible]			002550	[illegible]		0367	2
J1PARM +1	OCT		10721		002551	10721		0368	2
K1PARM	OCT	73311			002552	73311		0369	2
K1PARM +1	OCT		47334		002553	47334		0370	2
J2PARM	OCT	07141			002554	07141		0371	2
J2PARM +1	OCT		12264		002555	12264		0372	2
K2PARM	OCT	73473			002556	73473		0373	2
K2PARM +1	OCT		41017		002557	41017		0374	2
ABTIN-T	OCT	[illegible]			002566	[illegible]		0375	2
ABTIOUT +1	OCT		23346		002567	23346		0376	2
YLIM	OCT	00016			002564	00016		0377	2
YLIM +1	OCT		32646		002565	32646		0378	2
COSTHETA +	[illegible]				002570	[illegible]	[illegible]	0379	2
COSTHETA +	[illegible]				002572	16733	07535	0380	2
IGNITED	OCT	[illegible]			003112	02162		0381	2
IGNAISE	OCT	163			003113	00163		0382	2
AOTAZ	OCT	05252			003404	05252		0383	2
AOTAZ +1	OCT				003405	[illegible]		0384	2
AOTAZ +2	OCT	12525			003406	12525		0385	2
AOTAZ +3	OCT	25253			003407	25253		0386	2
AOTAZ +4	OCT	[illegible]			003410	[illegible]		0387	2
AOTAZ +5	OCT	52525			003411	52525		0388	2
AOTEL	OCT	[illegible]			003412	[illegible]		0389	2
AOTEL +1	OCT	[illegible]			003413	[illegible]		0390	2
AOTEL +2	OCT	[illegible]			003414	[illegible]		0391	2
AOTEL +3	OCT	[illegible]			003415	[illegible]		0392	2
AOTEL +4	OCT	[illegible]			003416	[illegible]		0393	2
AOTEL +5	OCT	[illegible]			003417	[illegible]		0394	2
LRALPHA +	[illegible]	[illegible]	E-[illegible]	DEG	002522	01042		0395	2
LRBETA1 +	[illegible]	[illegible]	E-[illegible]	DEG	002523	04211		0396	2
LRALPHA +	[illegible]	[illegible]	E-[illegible]	DEG	002524	[illegible]		0397	2
LRBETA2 +	[illegible]	[illegible]	E-[illegible]	DEG	002525	[illegible]		0398	2
LRWR +	[illegible]	[illegible]	E-[illegible]		003421	13146		0399	2
LRHR +	[illegible]	[illegible]	E-[illegible]	FT	003422	03561		0400	2
LRVMAX +	[illegible]	[illegible]	E-[illegible]	FT/SEC	002526	01414		0401	2
LRVF +	[illegible]	[illegible]	E-[illegible]	FT/S	003527	01116		0402	2
LRWZ +	[illegible]	[illegible]	E-[illegible]		003530	11463		0403	2
LRWY +	[illegible]	[illegible]	E-[illegible]		002531	11463		0404	2
LRWX +	[illegible]	[illegible]	E-[illegible]		002532	11463		0405	2
LRWVFZ +	[illegible]	[illegible]	E-[illegible]		002533	06315		0406	2
LRWVFY +	[illegible]	[illegible]	E-[illegible]		002534	06315		0407	2
LRWVFX +	[illegible]	[illegible]	E-[illegible]		002535	06315		0408	2
LRWVFF +	[illegible]	[illegible]	E-[illegible]		002536	13146		0409	2
RPCPTIME	DEC	[illegible]	B-17		003427	[illegible]		0410	2
RPCPTIEW	DEC	[illegible]			003430	57777		0411	2
DELJFIX	OCT	[illegible]			002520	[illegible]		0412	2
DELJFIX +1	OCT		01717		002521	01717		0413	2
RA KAL	[illegible]				001351	[illegible]	[illegible]	0414	2

SEALIMAL		[illegible]				001353	[illegible]		0415	2
ILAN	+	[illegible]		[illegible]	FT	2634	[illegible]	[illegible]	0416	2
ILAN	+	[illegible]		[illegible]	FT	002636	00000	00000	0417	2
LA	+	[illegible]		[illegible]	FT	2641	[illegible]	[illegible]	0418	2
VIG		OCT	[illegible]			002472	00416		0419	2
VIGN	+1	OCT	2571			002473	25712		0420	2
VIGNX		OCT	77731			002474	77731		0421	2
VIGNX	+1	OCT	4463			002475	44630		0422	2
VIGNZ		OCT	77127			002476	77127		0423	2
VIGNZ	+1	OCT	55622			002477	55622		0424	2
KIGNX/B4		OCT	76637			002500	76637		0425	2
KIGNX/B4	+1	OCT	61356			002501	61356		0426	2
KIGNY/B4		OCT	72634			002502	72634		0427	2
KIGNY/B4	+1	OCT	51612			002503	51612		0428	2
KIGNV/B4		OCT	72775			002504	72775		0429	2
KIGNV/B4	+1	OCT	57777			002505	57777		0430	2
RBREG		OCT	77777			002406	77777		0431	2
RBREG	+1	OCT	41001			002407	41001		0432	2
RBREG	+2	OCT	[illegible]			002410	[illegible]	[illegible]	0433	2
RBREG	+3	OCT	77773			002411	77773		0434	2
RBREG	+4	OCT	74320			002407	74320		0435	2
VBREG		OCT	77766			002412	77766		0436	2
VBREG	+1	OCT	[illegible]			002411	62064		0437	2
VBREG	+2	2DEC	[illegible]			002412	00000	00000	0438	2
VBREG	+3	OCT	77776			002414	77776		0439	2
VBREG	+4	OCT	66173			002415	66173		0440	2
ABREG		OCT	77774			002416	77774		0441	2
ABREG	+1	OCT	64147			002417	64147		0442	2
ABREG	+2	2DEC	[illegible]			002420	[illegible]	[illegible]	0443	2
ABREG	+4	OCT	77766			002422	77766		0444	2
ABREG	+5	OCT	45446			002423	45446		0445	2
VBREG*		OCT	77776			002424	77776		0446	2
VBREG*	+1	OCT	55426			002425	55426		0447	2
ABREG*		OCT	77771			002426	77771		0448	2
ABREG*	+1	OCT	41354			002427	41354		0449	2
JBREG*		OCT	77544			002430	77544		0450	2
JBREG*	+1	OCT	53646			002431	53646		0451	2
JINBBAK		OCT	37777			002432	37777		0452	2
TCCBBAK		OCT	01415			002433	01415		0453	2
TCJBBAK		OCT	[illegible]			002435	[illegible]		0454	2
RAPEG		OCT	[illegible]			002436	[illegible]		0455	2
RAPEG	+1	OCT	[illegible]			002437	[illegible]		0456	2
RAPEG	+2	2DEC	[illegible]			002440	[illegible]	[illegible]	0457	2
RAPEG	+4	OCT	77777			002442	77777		0458	2
RAPEG	+5	OCT	77635			002443	77635		0459	2
VAPEG		OCT	77777			002444	77777		0460	2
VAPEG	+1	OCT	[illegible]			002445	[illegible]		0461	2
VAPEG	+2	2DEC	[illegible]			002446	[illegible]	[illegible]	0462	2
VAPEG	+3	OCT	[illegible]			002450	[illegible]		0463	2
VAPEG	+5	OCT	[illegible]			002451	[illegible]		0464	2
AAPEG		OCT	[illegible]			002452	[illegible]		0465	2
AAPEG	+1	OCT	16522			002453	16522		0466	2
AAPEG	+2	2DEC	[illegible]			002454	[illegible]	[illegible]	0467	2
AAPEG	+4	OCT	77774			002456	77774		0468	2
AAPEG	+5	OCT	71233			002457	71233		0469	2
VAPEG*		OCT	[illegible]			002460	[illegible]		0470	2
VAPEG*	+1	OCT	51062			002461	51062		0471	2

[illegible]	OCT	77756		002462	77754		0472		2
APPR;+ +1	OCT	67645		002463	67646		0473		2
JPPR[illegible]	OCT	612		002464	00612		0474		2
JPPR[illegible] +1	OCT	30716		002465	30716		0475		2
GAINAPPR	OCT	[illegible]		002466	[illegible]		0476		2
TCGFAPP[illegible]	OCT	00113		002470	00113		0477		2
TCGIAPPR	OCT	[illegible]		002471	06231		0478		2
TENDMAX	DEC	[illegible] B-17		003423	01407		0479		2
TENDAPPR	DEC	[illegible] B-17		003424	00226		0480		2
[illegible]ELTT-AP	DEC	-0[illegible] B-17		003425	75240		0481		2
LEADTIME	DEC	-[illegible] B-17		003426	77743		0482		2
LOWCUT	DEC	2124		002506	04114		0483		2
HIGHCUT	DEC	2347		002507	04453		0484		2
TAUVERT	2DEC	[illegible] B-16		002516	01750	00000	0485		2
V[illegible]	2DEC	-[illegible]3144 B-1		002511	77777	73242	0486		2
V[illegible] +	2DEC	[illegible]		002512	[illegible]	[illegible]	0487		2
V[illegible] +4	2DEC	[illegible]		002514	[illegible]	[illegible]	0488		2
[illegible] ALF +	[illegible]	[illegible]	+	[illegible]T/S[illegible]	002537	14370		0489	2
TAU[illegible] +	[illegible]	[illegible]	+	[illegible]6C	002540	11300	[illegible]	0490	2
LAG/TAU +	[illegible]	[illegible]			002542	15164	01420	0491	2
MINFREQ	OCT	[illegible]			002546	04001		0492	2
MINFREQ +1	OCT	27631			002545	27631		0493	2
MAXFREQ	OCT	[illegible]			002546	00013		0494	2
MAXFREQ +1	OCT	06551			002547	06551		0495	2
[illegible]ADACCS	ENVSUM	2			107437			0496	3
PREREAD	ENVSUM	2			107410			0497	3
TOCSM	2DEC				001629	[illegible]	[illegible]	0498	2
NUVCSM	2DEC				001630	[illegible]	[illegible]	0499	2
NUVCSM +2	2DEC				001632	[illegible]	[illegible]	0500	2
NUVCSM +4	2DEC				001634	[illegible]	[illegible]	0501	2
KKEPCSM	2DEC				001624	[illegible]	[illegible]	0502	2
DELTACSM	2DEC				001572	00000	00000	0503	2
DELTACSM +	2DEC				001574	[illegible]	[illegible]	0504	2
DELTACSM +[illegible]	2DEC				001576	[illegible]	[illegible]	0505	2
TCLEM	2DEC				001674	[illegible]	[illegible]	0506	2
NUVLEM	2DEC				001652	[illegible]	[illegible]	0507	2
NUVLEM +2	2DEC				001654	[illegible]	[illegible]	0508	2
NUVLEM +4	2DEC				001656	[illegible]	[illegible]	0509	2
KKEPLEM	2DEC				001676	[illegible]	[illegible]	0510	2
DELTALEM	2DEC				001644	[illegible]	[illegible]	0511	2
DELTALEM +2	2DEC				001646	[illegible]	[illegible]	0512	2
DELTALEM +4	2DEC				001650	[illegible]	[illegible]	0513	2
-AZ	CLOCK				032357			0514	3
+AZ	CLOCK				032356			0515	3
-EL	CLOCK				032371			0516	3
+EL	CLOCK				032376			0517	3
PREREAD	CPDUMP			01	107410			0518	3
[illegible]ADACCS	CPDUMP			01	107437			0519	3
SERVOUT	DUMP		7,1777	02	176400		3777	0520	3
IGNITION	CPDUMP			03	104432			0521	3
IGNITION +1	DUMP	LESSMAT	LESSMAT +17	04	104430	17350	01754	0522	3
[illegible]GSUM	DUMP	A	7,1777	05	073310	[illegible]	3777	0523	3
GDUMP1	DUMP	A	7,1777	06	075432	[illegible]	3777	0524	3
WHATEXIT -1	DUMP	[illegible]		06	072356	[illegible]		0525	3
WHATEXIT	DUMP	[illegible]		07	072357	[illegible]		0526	3
WHATEXIT +1	DUMP	MUDREG		08	072370	[illegible]		0527	3
AFTGUI +2	DUMP	MIDREG		09	072365	[illegible]		0528	3

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CHELLJC     DUMP   A          6,1777      46                  72342   0000   3777   0529   3
THDUMP      DUMP   A          7,1777      5                   72315   0000   3777   0530   3
AFDUMP      DUMP   A          L           5                   72151   0000   0001   0531   3
FADACCS     CFEUMP                         5                   17437                 0532   3
FADACCL +   DUMP   F,L        6,1777      5                   17                    0533   3
PIPASR      DUMP                           1                   177536  DUMP NOTHING  0534   3
AARDVARK    DUMP                           1                   1                     0535   3
TFFIN       DUMP   OLAND      OLAND  +F   1                   72                    0536   3
-AZ         DUMP                           1                   032357  DUMP NOTHING  0537   3
+AZ         DUMP                           1                   32364   DUMP NOTHING  0538   3
-EL         DUMP                           1                   32371   DUMP NOTHING  0539   3
+EL         DUMP                           1                   32377   DUMP NOTHING  0540   3
SLAPT       SNVMOD                                             22447                 0541   3
CHKFAIL     MSG                                                                      0542   3
*****************************************************************
****** ***********************************************************
CHKFAIL     MSG    1                       CONDITIONAL                               0543   3
AGC ALARMED - 1221 - IMU NOT ALIGNED - THERE IS NO REFSMMAT
L           EQ     521
CHKFAIL     MSG    1                       CONDITIONAL                               0544   3
AGC ALARMED - 0401 - DESIRED GIMBAL ANGLE YIELDS GIMBAL-LOCK
L           EQ     401
CHKFAIL     MSG    1                       CONDITIONAL                               0545   3
AGC ALARMED - 0402 - FINDCDUX NOT CONTROLLING ATTITUDE
L           EQ     402
CHKFAIL     MSG    1                       CONDITIONAL                               0546   3
AGC ALARMED - 0404 - TWO STARS NOT AVAILABLE IN ANY OPTENT
L           EQ     404
CHKFAIL     MSG    1                       CONDITIONAL                               0547   3
AGC ALARMED - 0406 - TWO STARS NOT AVAILABLE
L           EQ     405
CHKFAIL     MSG    1                       CONDITIONAL                               0548   3
AGC ALARMED - 0511 -
L           EQ     511
CHKFAIL     MSG    1                       CONDITIONAL                               0549   3
AGC ALARMED - 0520 - RADAR RUPT NOT EXPECTED AT THIS TIME
L           EQ     520
CHKFAIL     MSG    1                       CONDITIONAL                               0550   3
AGC ALARMED - 0523 - LANDING RADAR ANTENNA DID NOT ACHIEVE POSITION TWO
L           EQ     523
CHKFAIL     MSG    1                       CONDITIONAL                               0551   3
AGC ALARMED - 0555 - MAXIMUM GUIDANCE PERIOD EXCEEDED
L           EQ     555
CHKFAIL     MSG    1                       CONDITIONAL                               0552   3
AGC ALARMED - 3121 - EXECUTIVE OVERFLOW - NO VAC AREAS
L           EQ     3121
CHKFAIL     MSG    1                       CONDITIONAL                               0553   3
AGC ALARMED - 3122 - EXECUTIVE OVERFLOW - NO CORE SETS
L           EQ     3122
CHKFAIL     MSG    1                       CONDITIONAL                               0554   3
AGC ALARMED - 3123 - TWO PROGRAMS USING DEVICE AT SAME TIME
L           EQ     3123
CHKFAIL     MSG    1                       CONDITIONAL                               0555   3
AGC ALARMED - 1232 - ARCSIN OR ARCCOS CALLED WITH TOO LARGE AN ARGUMENT
L           EQ     1232
CHKFAIL     MSG    1                       CONDITIONAL                               0556   3
AGC ALARMED - 1322 - SQRT CALLED WITH A NEGATIVE ARGUMENT
```

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L                   EQ      1612
CHKFAIL1            MSG     1                       CONDITIONAL     005672          0567    3
AGC ALARMED -  1[illegible] - [illegible] FAILING TO CONVERGE ON TIME-TO-GO
L                   EQ      [illegible]
CHKFAIL1            MSG     1                       CONDITIONAL     005732          0568    3
AGC ALARMED -  1[illegible]7 - VG INCREASING
L                   EQ      1[illegible]7
CHKFAIL1            MSG     1                       CONDITIONAL     005762          0569    3
AGC ALARMED -  141  - UNPLANNED OVERFLOW IN ASCENT OR DESCENT GUIDANCE
L                   EQ      141
CHKFAIL1            MSG     1                       CONDITIONAL     005772          0570    3
AGC ALARMED -  [illegible]12 - LANDING IGNITION ALGORITHM IS NOT CONVERGING
L                   EQ      1612
CHKFAIL1            MSG     1                       CONDITIONAL     005782          0571    3
AGC ALARMED -  1[illegible]6 - THROTTLE SERVICING, INSUFFICIENT IN P66
L                   EQ      1456
CHKFAIL1            MSG     1                       CONDITIONAL     005792          0572    3
AGC ALARMED -  17[illegible] - MIDWAVE MUST SLIP IGNITION
L                   EQ      17[illegible]
CHKFAIL1            MSG     1                       CONDITIONAL     005802          0573    3
AGC ALARMED -  3[illegible] - DAP STILL IN PROGRESS AT NEXT TSKUPT
L                   EQ      [illegible]
CHKFAIL1            MSG     2                       [illegible]     [illegible]     0574    3
**********************************************************************
**********************************************************************
LUNLANE             CLOCK                           072410          0575    3
STARTP6             CLOCK                           72566           0576    3
EADACCS             CLOCK                           107437          0577    3
PIPSBONE            CLOCK                           107447          0578    3
SERVICE             CLOCK                           762 6           0579    3
DISPEXIT            CLOCK                           073437          0580    3
RDGEMS              CLOCK                           101432          0581    3
VELUPDAT            CLOCK                           77257           0582    3
VIPDATE1            CLOCK                           77455           0583    3
PHSUPPAT            CLOCK                           077127          0584    3
UPDATED             CLOCK                           77251           0585    3
DTPDISP             CLOCK                           77721           0586    3
SLAP1               CLEDUMP                 163     022447          0587    3
SLAP1               DUMP    12      END-27  164     22447   0032    3777    0588    3
L  INIT +           DUMP    12      END-27  165     0752 1  0032    3777    0589    3
P-EADACCS +3        CLEDUMP                 166     1-744           0590    3
ENROLLJOB           DUMP            F7,1777         073442  0000    3777    0591    3
RDGEMS  +3          DUMP    LRVTIM  PIPTIME1 +0     1 1635  02252   3561    0592    3
```

START OF SPECIAL REQUESTS FOR ROLLBACK 397883 ********** 1

TLOCK [illegible] I

STOP [illegible] 3

END OF SPECIAL REQUESTS FOR ROLLBACK 397883 **********

BACKGROUND [illegible]

START SIMULATION

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS) LANDING	V METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-R BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397883.2 17 8803 - 5125 - 4166 -		325 -	3.72 -	3.21	.70 -	0.47	0.04 -	0.43	303 -	1	6032	582.7	2.04
110:21:22 - 2.7	1.5	8	566.	33596	15.81	61.11	61.1	69 -	2	3	5132	4176	-932.12
LANDING - 7	1	- 17	- 1726	9125	1.17	.47	.7	.14	.32 - 519	5	19851	5187	

17447	CLOCK REQUEST @ FBASARCS	T1=17[illegible]	SECONDS RUNNING	397883.281114	1713
17447	CLOCK REQUEST @ FIPSCLNE	T1=1745	SECONDS RUNNING	397883.282310	1611
17627	CLOCK REQUEST @ SERVICER	T1=17651	SECONDS RUNNING	397883.291722	0808
77127	CLOCK REQUEST @ PCSUPDAT	T1=1751	SECONDS RUNNING	397883.614331	4132
77251	CLOCK REQUEST @ RUPDATED	T1=17[illegible]22	SECONDS RUNNING	397883.705726	5480
77257	CLOCK REQUEST @ VSLUPDAT	T1=17523	SECONDS RUNNING	397883.706349	5427
77455	CLOCK REQUEST @ VUPDATED	T1=17535	SECONDS RUNNING	397883.821872	5569
DISPLAYS =	[illegible] 3	+ [illegible] - 171 + [illegible]			397884.000010
11432	CLOCK REQUEST @ PCSIMS	T1=17545	SECONDS RUNNING	397884.001063	0278
7241	CLOCK REQUEST @ LUNLAND	T1=17554	SECONDS RUNNING	397884.009290	9576
7447	CLOCK REQUEST @ DISPEXIT	T1=17663	SECONDS RUNNING	397884.676273	2660
DISPLAYS =	43 6 [illegible]	+5681 - 1716 +9662			397885.000000

397885 [illegible] 8695 -	5227 -	[illegible] -	3.3 -	3.2 -	3.21	359.79 -	0.48	[illegible] -	0.43	297	0	6072	582.7	1.99
110:[illegible]:27 - 27	1.6 -	0.2	5390	33535	151.15	61.41	61.41	.32	.54	- 2	5151	4136	-932.40
LANDING - 7.79	16.0 -	2.63 -	1738	78	.29	.48 -	.7 -	.47 -	0.1 - 519	5	19812	5187	

17447	CLOCK REQUEST @ FBASARCS	T1=1776	SECONDS RUNNING	397885.281354	1026
17447	CLOCK REQUEST @ FIPSCLNE	T1=1779	SECONDS RUNNING	397885.282556	0924
17627	CLOCK REQUEST @ SERVICER	T1=17761	SECONDS RUNNING	397885.290396	0255
77127	CLOCK REQUEST @ PCSUPDAT	T1=[illegible]	SECONDS RUNNING	397885.608539	3106
77251	CLOCK REQUEST @ RUPDATED	T1=2[illegible]	SECONDS RUNNING	397885.707595	4654
77257	CLOCK REQUEST @ VSLUPDAT	T1=2[illegible]32	SECONDS RUNNING	397885.708217	4601
77455	CLOCK REQUEST @ VUPDATED	T1=2[illegible]	SECONDS RUNNING	397885.825752	4571
11432	CLOCK REQUEST @ PCSIMS	T1=2[illegible]	SECONDS RUNNING	397886.001090	9609

[illegible]7241	CLOCK R[illegible]	[illegible]UMLN	T1=2[illegible]	SECONDS RUNNING	397886.[illegible]09019	8932
[illegible]7[illegible]27	CLOCK R[illegible]	[illegible]SPEXIT	T1=2[illegible]17	SECONDS RUNNING	397836.643951	4751

DISPLAYS = [illegible] + [illegible] - [illegible] + [illegible] 397887.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STATE VEC METRIC UNITS)	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	RALL-R RALL-P RALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397887.2[illegible]7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	359.87	[illegible]	[illegible]	.43	297	1	6118	582.6	1.94
110:31:29	21[illegible]	[illegible]	[illegible]	[illegible]	336.84	[illegible]	6.78	6.78	[illegible]	[illegible]	9	3	5169	3996	-932.68
LANDING	7[illegible]	154[illegible]	[illegible]	-174.7	3724	[illegible]	[illegible]	[illegible]	[illegible]	0.98	526	5	19771	5187	

1[illegible]7	CLOCK REQUEST @ READACCS	T1=2027	SECONDS RUNNING	397887.281051	0385
1[illegible]7667	CLOCK REQUEST @ RIPSDONE	T1=2[illegible]7	SECONDS RUNNING	397887.282247	0283
[illegible]7[illegible]	CLOCK REQUEST @ SERVICER	T1=2[illegible]271	SECONDS RUNNING	397887.790089	9614
[illegible]77127	CLOCK REQUEST @ RESUPDAT	T1=2[illegible]331	SECONDS RUNNING	397887.610745	2252
[illegible]77651	CLOCK REQUEST @ RUPDATED	T1=2[illegible]342	SECONDS RUNNING	397887.703099	4371
[illegible]77[illegible]7	CLOCK REQUEST @ VELUPDAT	T1=2[illegible]342	SECONDS RUNNING	397887.703722	4318
[illegible]7755	CLOCK REQUEST @ VUPDATED	T1=2[illegible]356	SECONDS RUNNING	397887.826476	3842
[illegible]	CLOCK REQUEST @ EDGIMS	T1=[illegible]	SECONDS RUNNING	397888.[illegible]02949	8783
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=2[illegible]41	SECONDS RUNNING	397888.613505	7883
[illegible]73637	CLOCK REQUEST @ DISPEXIT	T1=2[illegible]	SECONDS RUNNING	397888.645009	3994

DISPLAYS = [illegible] + [illegible]51 - [illegible]757 + [illegible]741 397889.000000

3978[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	332	1	6112	582.6	1.88
110:31:29	214	[illegible]	[illegible]	[illegible]	336.83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	2	5168	3996	-932.95
LANDING	7758	[illegible]	[illegible]	-175.4	3366	[illegible]	[illegible]	[illegible]	[illegible]	0.43	526	5	19731	5187	

1[illegible]7	CLOCK REQUEST @ READACCS	T1=[illegible]	SECONDS RUNNING	397889.281051	9719
1[illegible]7667	CLOCK REQUEST @ RIPSDONE	T1=2[illegible]	SECONDS RUNNING	397889.282247	9617
[illegible]7[illegible]	CLOCK REQUEST @ SERVICER	T1=2[illegible]641	SECONDS RUNNING	397889.291427	8833
[illegible]7[illegible]7	CLOCK REQUEST @ RESUPDAT	T1=2[illegible]641	SECONDS RUNNING	397889.611696	1504
[illegible]77[illegible]	CLOCK REQUEST @ RUPDATED	T1=2[illegible]652	SECONDS RUNNING	397889.707250	3350
[illegible]77[illegible]7	CLOCK REQUEST @ VELUPDAT	T1=2[illegible]652	SECONDS RUNNING	397889.707872	3297

77400	CLOCK REQUEST @ MUPDATED	T1=2[illegible]	SECONDS RUNNING	397889.830098	2867
DISPLAYS = [illegible]					397890.000002
[illegible]	CLOCK REQUEST @ REGIMS	T1=20717	SECONDS RUNNING	397890.001055	8278
17240	CLOCK REQUEST @ LUMLAND	T1=2[illegible]711	SECONDS RUNNING	397890.017393	6884
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=21 13	SECONDS RUNNING	397890.076029	0681
DISPLAYS = [illegible]					397891.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V	A	LATVEL	LAT	YAW	BALL-P	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER UNITS)		FORVEL	LONG	PITCH	BALL-R	CDUY	ORATE	ATT-Y	DPPY	DGY	DELTAV	DPS	
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	PERILU
397891.2	173.383 -	5.0[illegible]	1.0[illegible] -	2.3 -	3.01 -	0.08	[illegible] -	1.38 -	.02 -	0.43	307 -	1 -	6122	582.6	1.83
110:31:41 -	215	1.2	[illegible]	7.3	3.32	149.52	6.15	6.10 -	.68	.43 -	4 -	3	5217	3916	-933.21
LANDING -	7.86	146.2 -	1.0[illegible] -	2.75[illegible]	3.02	0.06	.38	.42 -	.34 -	.01 -	525	6	19691	5187	
[illegible]	CLOCK REQUEST @ READACCS	T1=2111	SECONDS RUNNING	397891.281052	9052
17447	CLOCK REQUEST @ PIPSCONT	T1=2111	SECONDS RUNNING	397891.282248	8950
[illegible]	CLOCK REQUEST @ SERVICES	T1=21111	SECONDS RUNNING	397891.290094	8280
077127	CLOCK REQUEST @ RESUPDAT	T1=21150	SECONDS RUNNING	397891.610264	0959
077251	CLOCK REQUEST @ RUPDATED	T1=21162	SECONDS RUNNING	397891.703086	2994
77257	CLOCK REQUEST @ VELUPDAT	T1=21167	SECONDS RUNNING	397891.704228	2941
77455	CLOCK REQUEST @ VUPDATED	T1=21174	SECONDS RUNNING	397891.828278	2355
1 163	CLOCK REQUEST @ RIDIPS	T1=2122	SECONDS RUNNING	397892.001494	7574
17241	CLOCK REQUEST @ LUMLAND	T1=21221	SECONDS RUNNING	397892.012055	6673
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=21331	SECONDS RUNNING	397892.738861	4652
DISPLAYS = 63 06 49					397893.000000
397[illegible]	174.77 - 5[illegible]	1.0 - [illegible]	[illegible] - [illegible]	[illegible] - 1.30 - [illegible]	3 - 0.32	315	[illegible]	6142	582.6	1.77
110:31:23 -	[illegible]	[illegible]	[illegible]	136.91	145.44	[illegible]	55.66 -	55.66 -	.27 -	.0[illegible] -	1 -	3	5226	3875	-933.46
LANDING -	0785	139 -	2.62 -	176.3 -	7041	0.92	0.35	.38 -	.69	0.10 -	525	5	19650	5187	
17437	CLOCK REQUEST @ READACCS	T1=2149[illegible]	SECONDS RUNNING	397893.291052	8385
17447	CLOCK REQUEST @ PIPSCONT	T1=2142	SECONDS RUNNING	397893.282248	8283
1762	CLOCK REQUEST @ SERVICES	T1=2142[illegible]	SECONDS RUNNING	397893.290094	7614

L/R ANTENNA POSITION CHANGE INITIATED AT T = 397853.6[illegible]

RADAR DATA CODE BIT CHANGED TO [illegible] AT T = 397893.6[illegible]
VELOCITY DATA CODE BIT CHANGED TO [illegible] AT T = 397893.6[illegible]

72[illegible]	CLOCK REQUEST @ LUNLAND	T1=21[illegible]	SECONDS RUNNING	397893.798218	4254
72[illegible]	CLOCK REQUEST @ STARTP64	T1=215[illegible]	SECONDS RUNNING	397893.802799	3863
DISPLAYS =	[illegible]				397894.000004
73[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=216[illegible]	SECONDS RUNNING	397894.602970	5582
DISPLAYS =	[illegible] FLASH +[illegible]X75 - 175[illegible] + 767[illegible]				397895.000000

T = 397895.197. ASTRONAUT SEES DESIRED DISPLAYS.

MODE 6[illegible] V59 [illegible] NOUN [illegible] FLASH 1 CK FAIL [illegible] PGM ALM [illegible] REL DSPLY 0
UPLINK [illegible] S1 +99.75 [illegible] - 175[illegible] + 7676

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
3978[illegible]	17 [illegible]17 - 52.[illegible] [illegible]8 -	1.5 -	3.[illegible] -	[illegible]	59.93 -	.32 -	[illegible] -	[illegible].21	322 -	1	6173	582.4	1.71
110:31:35 -	[illegible] [illegible].6 -	[illegible]	452.9	336.8[illegible]	149.4	59.62	59.62 -	1.19	25.52 -	3 -	2	5246	3835 -933.69
LANDING -	[illegible]	[illegible] -	176.4	7[illegible]	[illegible]	.33 -	[illegible] -	.18 -	[illegible] -	522	5	19609	5187

1 74 7	CLOCK REQUEST @ READACCS	T1=2173[illegible]	SECONDS RUNNING	397895.281053	7719
1[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=2173[illegible]	SECONDS RUNNING	397895.282249	7617
[illegible]762[illegible]	CLOCK REQUEST @ SERVICER	T1=2173[illegible]	SECONDS RUNNING	397895.291368	6838
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=22[illegible]6	SECONDS RUNNING	397895.743124	8289

ASTRONAUT PERFORMS ACTION [illegible] AT TIME 397896.197[illegible]

ASTRONAUT KEYSTROKE PROCESSED

[illegible]73437	CLOCK REQUEST @ DISPEXIT	T1=22125	SECONDS RUNNING	397896.538507	6416
DISPLAYS =	[illegible] FLASH +[illegible]XXX - 175[illegible] + 722[illegible]				397897.000000

397897[illegible]	17[illegible]4 -	57[illegible]	[illegible] -	[illegible] -	[illegible]	[illegible]	[illegible] -	[illegible]1	[illegible]16 -	[illegible]32	391 -	1	6194	581.6	1.64
110:34:37 -	[illegible]	[illegible].5	[illegible]	[illegible]	3[illegible].74	[illegible].51	44.73	44.73	[illegible].16	16.14	5 -	3	5261	3794	-933.89
LANDING -	[illegible]	[illegible]	[illegible] -	7[illegible]	[illegible]	[illegible]	[illegible].41	[illegible]	[illegible].20	[illegible]	446	5	19567	5187	

1 74 7	CLOCK REQUEST @ READACCS	T1=2224	SECONDS RUNNING	397897.281164	7051

1 7447	CLOCK REQUEST @ PIPSDONE	T1= 224[illegible]	SECONDS RUNNING	397897.282273	6948
76[illegible]	CLOCK REQUEST @ SERVICER	T1=2[illegible]4	SECONDS RUNNING	397897.289850	6387
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=22316	SECONDS RUNNING	397897.764448	7509
DISPLAYS =	[illegible] FLASH +[illegible] - [illegible] + [illegible]				397898.000018
7[illegible]	CLOCK REQUEST @ DISPEXIT	T1= 2[illegible]5	SECONDS RUNNING	397898.619442	2843
DISPLAYS =	[illegible] +[illegible] -[illegible] +[illegible]				397899.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS)	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	METRIC UNITS		FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397899 [illegible]	1737896 -	5.6	2.74 -	[illegible] -	3.0[illegible]	[illegible]	[illegible] -	[illegible]	[illegible]	490 -	1	6423	579.3	1.56
11[illegible]:31:3[illegible] -	[illegible]	1.5 -	.12	425.3	336.7	119.1	3[illegible].2	3[illegible].2 -	2.69	1.31 -	[illegible] -	2	5276	3753 -934.06
LANDING -	[illegible]	1225.2 -	1.7[illegible] -	14[illegible]	4556	1.4	[illegible]	.69 -	[illegible].72	[illegible].43 -	396	5	19524	5187
1 7447	CLOCK REQUEST @ READACCS	T1=22550	SECONDS RUNNING	397899.281656	6385
1 7447	CLOCK REQUEST @ PIPSDONE	T1=22550	SECONDS RUNNING	397899.282257	6282
76216	CLOCK REQUEST @ SERVICER	T1=22550	SECONDS RUNNING	397899.289791	5725
72416	CLOCK REQUEST @ LUNLAND	T1=22632	SECONDS RUNNING	397899.783512	3509
73417	CLOCK REQUEST @ DISPEXIT	T1=22755	SECONDS RUNNING	397900.615630	2501
DISPLAYS =	[illegible] +[illegible] -[illegible] + [illegible]				397901.000000
397901.2	1737861 -	4.60	2.65	[illegible] -	3.0[illegible]	0.71	[illegible]	[illegible]	0.11 -	560 -	0	5337	578.6	1.46
11[illegible]:31:41 -	[illegible]	1.5 -	.15	[illegible]	336.70	119.02	29.21	29.21	0.47	0.54	1 -	2	5290	3711 -934.19
LANDING -	5751	1226.1 -	1.6[illegible] -	1[illegible]	6246	0.75	359.92	.38	0.49 -	[illegible] -	318	5	19482	5187
1 7437	CLOCK REQUEST @ READACCS	T1=23[illegible]	SECONDS RUNNING	397901.281052	5719
1 7447	CLOCK REQUEST @ PIPSDONE	T1=23[illegible]	SECONDS RUNNING	397901.282249	5617
76216	CLOCK REQUEST @ SERVICER	T1=23[illegible]	SECONDS RUNNING	397901.289098	4947
72416	CLOCK REQUEST @ LUNLAND	T1=23136	SECONDS RUNNING	397901.742410	6349
73437	CLOCK REQUEST @ DISPEXIT	T1=23265	SECONDS RUNNING	397902.619396	1513
DISPLAYS =	64 76 64 +99X65 -[illegible]1598 + [illegible]5311				397903.000000
397903.2	1737765 -	[illegible]	2.59	[illegible] -	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	535 -	1	5862	578.2	1.38
11[illegible]:31:43 -	[illegible]	1.5	[illegible]	[illegible]	336.77	11[illegible]	[illegible].40	28.46	0.17 -	[illegible] -	5 -	1	5302	3672 -934.30

```
LANDING -   [illegible] 119 [illegible] - 15401   5949   [illegible] 459.69   [illegible] 0.20   0.66 - 0.00 - 283   4  19442   5187

  1 7437    CLOCK REQUEST # READACCS                          T1=23[illegible]   SECONDS RUNNING    397903.281052        5052

  1 7477    CLOCK REQUEST # PIPSDNF                           T1=[illegible]37   SECONDS RUNNING    397903.282247        4950

  1 762     CLOCK REQUEST # SERVICER                          T1=2397            SECONDS RUNNING    397903.286752        4395

  1 7243    CLOCK REQUEST # LUNLAND                           T1=23466           SECONDS RUNNING    397903.742578        5668

  0 73[illegible]7  CLOCK REQUEST # DISPEXIT                  T1=23575           SECONDS RUNNING    397904.616295        1111

DISPLAYS =  [illegible] 64          +[illegible] - 1531  +[illegible]                                                397905.000000

      E/L ANTENNA POSITION CHANGE COMPLETED AT T = 397905.281

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        V        LATVEL     LAT     YAW   BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
        (STABLE MEMBER COORDS)  FORVEL   LONG   PITCH   BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING        METRIC UNITS     ALTRATE   ALT    ROLL   BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
 397904.2  1737674 -  [illegible]  2.62   [illegible] - 2.99   [illegible]  [illegible]  [illegible]  0.32   527 -  1  5879  578.1    1.39
110:31:45 -   [illegible]  [illegible]  [illegible]  [illegible]  336.76  118.12  2.03   2.03   0.45 -  0.43 -  3 -  2  5314  3633  -934.41
 LANDING -   [illegible]276  11[illegible] - [illegible] - 17.05   566[illegible]  [illegible]  359.6[illegible]  [illegible].5  [illegible].18  0.21 - 278   4  19464  5187

  1 7437    CLOCK REQUEST # READACCS                          T1=[illegible]7    SECONDS RUNNING    397905.281051        4385

  1 7477    CLOCK REQUEST # PIPSDNF                           T1=237[illegible]  SECONDS RUNNING    397905.282246        4283

  0 762[illegible]  CLOCK REQUEST # SERVICER                  T1=237[illegible]  SECONDS RUNNING    397905.289748        3729

  0 7243    CLOCK REQUEST # LUNLAND                           T1=23762           SECONDS RUNNING    397905.784434        1430

DISPLAYS =  [illegible] 60          +[illegible] - [illegible] + [illegible]                                          397906.000010

  0 73437   CLOCK REQUEST # DISPEXIT                          T1=28[illegible]5  SECONDS RUNNING    397906.616549        0423

DISPLAYS =  04  [illegible]6        +[illegible] - [illegible] + [illegible]                                          397907.000000

 397907.[illegible]  17 75 7 -  4[illegible]  [illegible]6   [illegible] - 2.[illegible]  1.[illegible]  [illegible]  [illegible].5  0.32   526 -  1  5812  578.1    1.22
110:31:47 -   197   3 4 -  [illegible]  [illegible] 7  336.74  [illegible]  [illegible]  [illegible]  [illegible]  0.43 -  2 -  1  5326  3595  -934.52
 LANDING -   5146  1[illegible] - [illegible]  [illegible]  [illegible]  [illegible]  559.6[illegible] - [illegible].16 - [illegible].15 - 0.1[illegible] - 278   4  15365  5187

  1 7437    CLOCK REQUEST # READACCS                          T1=[illegible]21   SECONDS RUNNING    397907.281 72        3717

  1 7447    CLOCK REQUEST # PIPSDNF                           T1=24[illegible]   SECONDS RUNNING    397907.282292        3613

  0 76[illegible]   CLOCK REQUEST # SERVICER                  T1=[illegible]21   SECONDS RUNNING    397907.289997        2955

  7771      CLOCK REQUEST # SETPIS                            T1= [illegible]53  SECONDS RUNNING    397907.633642        3631
```

[illegible] CLOCK REQUEST @ LUNLAND T1=[illegible] SECONDS RUNNING 3979[illegible] 7.927187 8582

[illegible] CLOCK REQUEST @ DISPEXIT T1=[illegible] SECONDS RUNNING 3979[illegible] 8.8[illegible]1014 4015

DISPLAYS = [illegible] +[illegible] -[illegible] +[illegible] 397909.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STATE MEMBER COORDS) METRIC UNITS	V		LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	PCS DPS APS	APOLU PERILU
3979[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5732	578.0	1.15
110:[illegible]	[illegible]	[illegible]	[illegible]	43.75	119.49	29.6[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5339	3556	-934.63
LANDING	[illegible]	[illegible]	134.7	5134	[illegible]	359.67	[illegible]	[illegible]	[illegible]	284	4	19327	5187	

[illegible] CLOCK REQUEST @ READACCS T1=2[illegible] SECONDS RUNNING 3979[illegible]9.281425 3020

[illegible] CLOCK REQUEST @ PIPSDONE T1=2[illegible] SECONDS RUNNING 3979[illegible]9.282620 2918

[illegible] CLOCK REQUEST @ SERVICE[illegible] T1=2[illegible] SECONDS RUNNING 397909.290460 2249

[illegible] CLOCK REQUEST @ LODGIMS T1=[illegible] SECONDS RUNNING 397909.791[illegible]70 9530

[illegible] CLOCK REQUEST @ LUNLAND T1=2[illegible] SECONDS RUNNING 3979[illegible]8.[illegible]782 8360

DISPLAYS = [illegible] +[illegible] -[illegible] +[illegible] 397910.000009

[illegible] CLOCK REQUEST @ DISPEXIT T1=2[illegible] SECONDS RUNNING 3979[illegible].694105 2472

DISPLAYS = [illegible] +[illegible] -[illegible] +[illegible] 397911.000000

VELOCITY DATA GOOD BIT CHANGED TO 1 AT T = 397911.29
POS DATA GOOD BIT CHANGED TO 1 AT T = 397911.29

3979[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5654	577.9	1.08
11[illegible]:[illegible]	[illegible]	1.6	[illegible]	336.74	119.24	29.42	[illegible]	[illegible]	[illegible]	3	1	5351	3519	-934.73
LANDING	[illegible]	[illegible]	[illegible]	4837	[illegible]	359.68	[illegible]	[illegible]	[illegible]	281	4	19289	5187	

[illegible] CLOCK REQUEST @ READACCS T1=2[illegible] SECONDS RUNNING 3979[illegible].281[illegible]70 2384

[illegible] CLOCK REQUEST @ PIPSDONE T1=2[illegible] SECONDS RUNNING 3979[illegible].282266 2282

[illegible] CLOCK REQUEST @ SERVICE[illegible] T1=2[illegible] SECONDS RUNNING 397911.293697 1306

[illegible] CLOCK REQUEST @ LODGIMS T1=25112 SECONDS RUNNING 3979[illegible].781066 9718

[illegible] CLOCK REQUEST @ LUNLAND T1=2511[illegible] SECONDS RUNNING 3979[illegible].799015 8186

DISPLAYS = [illegible] +[illegible] -[illegible] +[illegible] 397912.000017

[illegible] CLOCK REQUEST @ DISPEXIT T1=[illegible] SECONDS RUNNING 3979[illegible].678[illegible]04 3179

DISPLAYS = [illegible] +[illegible] -[illegible] +[illegible] 397913.000000

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME / LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397913.[illegible]	[illegible]7368 - [illegible]	[illegible]	[illegible]	[illegible]	[illegible]7567	[illegible]29 - [illegible]	[illegible]21	[illegible]	[illegible]	1	5593	577.9	1.02
11[illegible]:31:59 -	[illegible]	[illegible]	[illegible]9.9	336.72	119.13	29.27	29.27 - 0.17 -	.43 -	5 -	2	5363	3482	-934.83
LANDING -	[illegible]	[illegible]	4651	-0.16	359.67 -	[illegible] - 0.29 -	[illegible] -	[illegible] -	277	4	19252	5187	
1-7437	CLOCK REQUEST @ READACCS					T1=25340		SECONDS RUNNING			397913.281096		1715
1-7447	CLOCK REQUEST @ PIPSDONE					T1=25341		SECONDS RUNNING			397913.282293		1613
[illegible]	CLOCK REQUEST @ SERVICER					T1=25341		SECONDS RUNNING			397913.291995		0785
1-1632	CLOCK REQUEST @ ROGIMS					T1=25423		SECONDS RUNNING			397913.791076		8197
[illegible]7241	CLOCK REQUEST @ LUNLAND					T1=25423		SECONDS RUNNING			397913.804683		7035
DISPLAYS =	[illegible]	64	+99X44	- 1278	+ 4876								397914.000006
[illegible]73437	CLOCK REQUEST @ DISPEXIT					T1=25554		SECONDS RUNNING			397914.687794		1677
DISPLAYS =	[illegible]	[illegible]	+99X34	-01227	+ 4627								397915.000000
397915.[illegible]	1737275 - [illegible]	[illegible]	3.4 -	2.98	1.13	.29	.34 - 0.02	0.21	499 -	1	5496	577.8	0.96
11[illegible]:31:55 -	[illegible]	[illegible]	339.8	336.72	119.85	30.00	0.05 -	0.00 -	5 -	1	5375	3445	-934.92
LANDING -	4179	1 2.5 - 1.47 - 117.3	4413	1.75	359.65	.29	0.19	0.10 -	276	4	19215	5187	
1-7437	CLOCK REQUEST @ READACCS					T1=25650		SECONDS RUNNING			397915.281051		1052
1-7447	CLOCK REQUEST @ PIPSDONE					T1=25654		SECONDS RUNNING			397915.282246		0950
[illegible]	CLOCK REQUEST @ SERVICER					T1=25651		SECONDS RUNNING			397915.29[illegible]084		0281
1-1632	CLOCK REQUEST @ ROGIMS					T1=25732		SECONDS RUNNING			397915.781917		8312
67241	CLOCK REQUEST @ LUNLAND					T1=25733		SECONDS RUNNING			397915.792563		7403
73437	CLOCK REQUEST @ DISPEXIT					T1=26 63		SECONDS RUNNING			397916.675439		2064
DISPLAYS =	64	[illegible]	+9[illegible]	- 1.21	+ 4.0								397917.000000
397917.2	1737205 - [illegible]	[illegible]	3.4 -	2.97	1.1[illegible]	[illegible]	.35	[illegible]	0.32	490	5414	577.7	0.90
11[illegible]:31:57 -	176	[illegible]	341.8	336.72	119.[illegible]	[illegible]	0.22	[illegible]	[illegible] -	4 -	1	5387	3409	-935.02
LANDING -	5975	9[illegible] - [illegible]	4168	1.17	359.65	.59 - 0.35	0.54 -	275	4	19179	5187		
1-7437	CLOCK REQUEST @ READACCS					T1=26164		SECONDS RUNNING			397917.281069		0384
1-7447	CLOCK REQUEST @ PIPSDONE					T1=26165		SECONDS RUNNING			397917.282264		0282

[illegible]	CLOCK REQUEST @ SERVICER	T1=[illegible]	SECONDS RUNNING	397917.294398	9247
[illegible]	CLOCK REQUEST @ RPSUPDAT	T1=[illegible]	SECONDS RUNNING	397917.61[illegible]391	2282
[illegible]	CLOCK REQUEST @ RUPDATED	T1=25273	SECONDS RUNNING	397917.712317	3584
[illegible]	CLOCK REQUEST @ VELUPDAT	T1=25233	SECONDS RUNNING	397917.712939	3531
[illegible]	CLOCK REQUEST @ VUPDATED	T1=[illegible]	SECONDS RUNNING	397917.831229	3437
DISPLAYS =	64 [illegible] 64 [illegible] +09X44 - 115. + 4285				397918.000026
[illegible]	CLOCK REQUEST @ RIGIMS	T1=[illegible]	SECONDS RUNNING	397918.11468	8057
[illegible]	CLOCK REQUEST @ LUNLAND	T1=26272	SECONDS RUNNING	397918.28579	6596
[illegible]	CLOCK REQUEST @ LISPEXIT	T1=25427	SECONDS RUNNING	397919.909789	1400

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC (UNIT)	V		LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE ORATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397919.2	1737139 -	[illegible]	[illegible]	[illegible] -	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	493 -	1	5345	577.5	0.85
110:31:5[illegible] -	175	1-[illegible]	[illegible]	332.8	336.71	12.5	3.63	3.02	1.53 -	[illegible]	(-	1	5399	3373	-935.11
LANDING -	3777	07[illegible]	- 1.36 - 1.[illegible]		393	.54	359.7	.3	.53 -	[illegible]	- 275	4	19143	5187	
[illegible]	CLOCK REQUEST @ READACCS							T1=2647					397919.281051		9719
[illegible]	CLOCK REQUEST @ TPSUPDAT							T1=2667					397919.282247		9617
[illegible]	CLOCK REQUEST @ SERVICER							T1=26671					397919.291774		8804
[illegible]	CLOCK REQUEST @ RPSUPDAT							T1=26631					397919.612582		1428
[illegible]	CLOCK REQUEST @ RUPDATED							T1=26543					397919.718761		2368
[illegible]	CLOCK REQUEST @ VELUPDAT							T1=26543					397919.719382		2315
[illegible]	CLOCK REQUEST @ VUPDATED							T1=26[illegible]7					397919.835555		2401
DISPLAYS =	64 [illegible] 64			+ 0X6[illegible]	- 11[illegible]	+ [illegible]									397920.000013
[illegible]	CLOCK REQUEST @ LUNLAND							T1=26[illegible]2					397920.[illegible]28659		5923
[illegible]	CLOCK REQUEST @ RIGIMS							T1=26[illegible]4					397920.[illegible]41063		4864
[illegible]	CLOCK REQUEST @ LISPEXIT							T1=2[illegible]					397920.[illegible]92038		0541
DISPLAYS =	66 [illegible] 64			+09X[illegible]	- 11[illegible]	+ 395[illegible]									397921.000022
397921.[illegible]	1737176 -	3[illegible]	[illegible]	[illegible]	[illegible] -	2.94	1.14	359.58	[illegible]	[illegible]	477 -	1	5288	577.3	0.80
110:[illegible] -	173	[illegible] -	[illegible]	333.8	3[illegible]	12.2	3[illegible]	[illegible].39	[illegible]	[illegible] -	5 -	2	5411	3338	-935.19

LANDING - 359 [illegible] 3 - [illegible] 37.9 [illegible] 359.73 - [illegible] 0.65 - [illegible] = 273 - [illegible] 191.8 5187

[illegible]	CLOCK REQUEST @ READACCS	T1=27[illegible]	SECONDS RUNNING	397921.281051	9052
[illegible]	CLOCK REQUEST @ PIPSDONE	T1=27[illegible]	SECONDS RUNNING	397921.282247	8950
[illegible]	CLOCK REQUEST @ SERVICER	T1=27[illegible]	SECONDS RUNNING	397921.291189	8281
[illegible]	CLOCK REQUEST @ POSUPDAT	T1=27041	SECONDS RUNNING	397921.611588	0846
[illegible]	CLOCK REQUEST @ RUPDATED	T1=27[illegible]52	SECONDS RUNNING	397921.7[illegible]9007	2533
[illegible]	CLOCK REQUEST @ VELUPDAT	T1=27[illegible]52	SECONDS RUNNING	397921.7[illegible]9629	2480
[illegible]	CLOCK REQUEST @ VUPDATED	T1=27[illegible]67	SECONDS RUNNING	397921.832769	1972
DISPLAYS =	[illegible] +99[illegible] -[illegible] + [illegible]				397922.000018
[illegible]	CLOCK REQUEST @ ROGIMS	T1=27111	SECONDS RUNNING	397922.011074	6757
[illegible]	CLOCK REQUEST @ LUNLAND	T1=27112	SECONDS RUNNING	397922.027904	5321
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=27242	SECONDS RUNNING	397922.969622	0081

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)		FOLVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397[illegible]	[illegible]	[illegible]	2.0 -	2.9[illegible]	1.15	359.94	[illegible].25 -	[illegible]	[illegible].1	472 -	1	5225	577.1	0.75
11[illegible]:32:[illegible] -	17[illegible]	16[illegible] -	[illegible]	315[illegible]	336.74	119.61	[illegible]	[illegible].36	[illegible].42 -	[illegible] -	1 -	5623 -	3302	-935.28
LANDING -	[illegible]	[illegible] -	1.33 -	97.2	3494	[illegible]	[illegible]	[illegible].39 -	[illegible] -	268	4	19.72	5187	

[illegible]	CLOCK REQUEST @ READACCS	T1=27[illegible]	SECONDS RUNNING	397923.281051	8385
[illegible]	CLOCK REQUEST @ PIPSDONE	T1=27[illegible]	SECONDS RUNNING	397923.282247	8283
[illegible]	CLOCK REQUEST @ SERVICER	T1=27[illegible]1	SECONDS RUNNING	397923.291152	7523
[illegible]	CLOCK REQUEST @ POSUPDAT	T1=27251	SECONDS RUNNING	397923.611441	0277
[illegible]	CLOCK REQUEST @ RUPDATED	T1=27362	SECONDS RUNNING	397923.707511	1994
[illegible]	CLOCK REQUEST @ VELUPDAT	T1=27[illegible]32	SECONDS RUNNING	397923.708133	1941
[illegible]	CLOCK REQUEST @ VUPDATED	T1=27377	SECONDS RUNNING	397923.831477	1416
DISPLAYS =	[illegible] +99[illegible] -[illegible] + 2717				397924.000022
[illegible]	CLOCK REQUEST @ ROGIMS	T1=27[illegible]	SECONDS RUNNING	397924.011061	6091
[illegible]	CLOCK REQUEST @ LUNLAND	T1=27431	SECONDS RUNNING	397924.019552	5367

ASTRONAUT PERFORMS ACTION [illegible] 4 AT TIME [illegible]3479

ASTRONAUT PERFORMS ACTION [illegible] 3 AT TIME 397924.[illegible]3479

ASTRONAUT PERFORMS ACTION [illegible] 3 AT TIME [illegible]

[illegible]	CLOCK REQUEST @ [illegible]AZ	T1=[illegible]	SECONDS RUNNING	397924.681537	8877
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=27556	SECONDS RUNNING	397924.923154	8259

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-X	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
LANDING	(STABLE MEMBER COORDS) METRIC UNITS			FORVEL ALTATE	LONG ALT	PITCH ROLL	BALL-P BALL-Y	COUY COUZ	QRATE RRATE	ATT-Y ATT-Z	DPPY DPPZ	DGY DGZ	DELTAV MASS	DPS APS	PERILU
397[illegible]	[illegible]26958 -	[illegible]	[illegible]	[illegible] -	2.97	1.02	[illegible]	.26 -	.02	.10	470 -	1	5182	576.9	0.70
11:32:[illegible] -	162	1.6	.17	[illegible]	336.69	119.62	29.72	29.72	.01 -	0.32 -	3 -	1	5434	3269	-935.36
LANDING -	3221	58.9 -	1.54 -	92.5	329	[illegible]	359.73	0.96 -	0.13	0.10 -	264	3	19[illegible]	5187	

1[illegible]7497	CLOCK REQUEST @ READACCS	T1=27620	SECONDS RUNNING	397925.281072	7717
1 7497	CLOCK REQUEST @ PIPSDON	T1=2762[illegible]	SECONDS RUNNING	397925.282290	7613
1762[illegible]6	CLOCK REQUEST @ SERVICER	T1=27621	SECONDS RUNNING	397925.292293	6759
077127	CLOCK REQUEST @ POSUPDAT	T1=27681	SECONDS RUNNING	397925.614915	9229
772[illegible]	CLOCK REQUEST @ RUPDATED	T1=27673	SECONDS RUNNING	397925.715235	0668
77257	CLOCK REQUEST @ VELUPDAT	T1=27673	SECONDS RUNNING	397925.715857	0615
77[illegible]	CLOCK REQUEST @ VUPDATED	T1=27[illegible]	SECONDS RUNNING	397925.838641	0138
DISPLAYS [illegible]	[illegible]	[illegible]			397926.000008
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=27733	SECONDS RUNNING	397926.[illegible]2813	3568
1 1[illegible]	CLOCK REQUEST @ ROSIMS	T1=27734	SECONDS RUNNING	397926.041053	2865
7[illegible]4 7	CLOCK REQUEST @ DISPEXIT	T1=[illegible]63	SECONDS RUNNING	397926.914028	8371
397927.[illegible] 17	[illegible] -	[illegible]	[illegible] -	2.47	1.04	.25	[illegible] -	1.40	5.05	466 -	1	5108	576.6	0.66
11:32:[illegible] -	16[illegible]	1.7	[illegible]	287.9	336.69	119.91	29.92	29.92 -	.71 -	0.10 -	1 -	1	5444	3235	-935.43
LANDING -	3[illegible]	3[illegible] -	[illegible] -	[illegible]	3.95	[illegible].82	359.98	.25 -	.74 -	1.86 -	259	4	19[illegible]4	5187	

1 7497	CLOCK REQUEST @ READACCS	T1=3 13[illegible]	SECONDS RUNNING	397927.281[illegible]77	7050

1[illegible]7467	CLOCK REQUEST @ PIPSDONE	T1=3[illegible]13[illegible]	SECONDS RUNNING	397927.282275	6948
76[illegible]6	CLOCK REQUEST @ SERVICER	T1=3[illegible]131	SECONDS RUNNING	397927.295011	5861
ASTRONAUT BEGINS SUPPROGRAM 7[illegible] AT TIME = 397927.3479					
77127	CLOCK REQUEST @ POSUPDAT	T1=30171	SECONDS RUNNING	397927.615498	8513
7725	CLOCK REQUEST @ PUPDATED	T1=[illegible]	SECONDS RUNNING	397927.714935	6027
772[illegible]7	CLOCK REQUEST @ VELUPDAT	T1=[illegible]	SECONDS RUNNING	397927.715560	9974
77455	CLOCK REQUEST @ VUPDATED	T1=3[illegible]920	SECONDS RUNNING	397927.842704	9124
DISPLAYS = 64 6 64 +99X43 - 91[illegible] + 3[illegible]					397928.000021
7271	CLOCK REQUEST @ LUNLAND	T1=[illegible]243	SECONDS RUNNING	397928.36511	2586
1[illegible]632	CLOCK REQUEST @ POGIMS	T1=30245	SECONDS RUNNING	397928.052558	1217
7[illegible]27	CLOCK REQUEST @ DISPEXIT	T1=3[illegible]374	SECONDS RUNNING	397928.924258	6832

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL / FORVEL / ALTRATE	LAT / LONG / ALT	YAW / PITCH / ROLL	BALL-P / BALL-P / BALL-Y	COUX / COUY / COUZ	PRATE / QRATE / RRATE	ATT-X / ATT-Y / ATT-Z	DPPX / DPPY / DPPZ	DGX / DGY / DGZ	THRUST / DELTAV / MASS	RCS / DPS / APS	APOLU / PERILU
397929.[illegible]	173[illegible]851 -	25.[illegible]	2.27 -	[illegible] - 2.97 -	3.31	2.63 -	4.42 -	2.49	.98	46[illegible]	[illegible]	5[illegible]5	575.7	0.62
110:32: 9 -	15[illegible]	[illegible] -	0.2[illegible]	288.6	336.68	12[illegible]11	30.16	30.25 -	1.19	0.17	11 -	1 -	5457	3201 -935.50
LANDING -	287[illegible]	83.7 -	1.25 -	93.7	291[illegible]	3.27	4.42	2.62 -	.7 -	. -	256	4	13969	5187
7[illegible]7	CLOCK REQUEST @ READACCS	T1=[illegible]	SECONDS RUNNING	397929.281931	6310
1[illegible]7467	CLOCK REQUEST @ PIPSDONE	T1=3[illegible]	SECONDS RUNNING	397929.283154	6206
76[illegible]6	CLOCK REQUEST @ SERVICER	T1=3[illegible]	SECONDS RUNNING	397929.293270	5343
77127	CLOCK REQUEST @ POSUPDAT	T1=[illegible]	SECONDS RUNNING	397929.610365	8284
77251	CLOCK REQUEST @ PUPDATED	T1=30513	SECONDS RUNNING	397929.713962	9444
77257	CLOCK REQUEST @ VELUPDAT	T1=[illegible]	SECONDS RUNNING	397929.716585	9391
77[illegible]	CLOCK REQUEST @ VUPDATED	T1=[illegible]	SECONDS RUNNING	397929.836901	8953
DISPLAYS = 64 16 64 +99X43 -0187 + 3112					397930.000016
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=[illegible]	SECONDS RUNNING	29793[illegible].035370	2017
[illegible]	CLOCK REQUEST @ POGIMS	T1=[illegible]	SECONDS RUNNING	397931.051131	1672
1[illegible]7437	CLOCK REQUEST @ DISPEXIT	T1=[illegible]	SECONDS RUNNING	397931.922634	6306

397931. [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible] .54 .2 - .54 457 - 1 4996 574.8 0.58
110:32:11 - 155 [illegible] .15 279.9 335.0 [illegible] 3 2 3.615 - .662 - 0.00 11 - 2 5469 3158 -935.58
LANDING - [illegible] [illegible] - [illegible] .57 - 7 [illegible] 276 [illegible] .77 [illegible] 3.6 - .33 .54 - 258 4 18935 5187

1 [illegible]	CLOCK REQUEST @ [illegible]CCS	T1=3 [illegible]	SECONDS RUNNING	397931.281156	5718
1[illegible]447	CLOCK REQUEST @ PIPSDONE	T1=3[illegible]	SECONDS RUNNING	397931.282251	5616
76 [illegible]	CLOCK REQUEST @ SERVIC 2	T1=3 [illegible]	SECONDS RUNNING	397931.293749	4635
77 [illegible]	CLOCK REQUEST @ PLSUPDAT	T1=31 11	SECONDS RUNNING	397931.611787	7496
77[illegible]	CLOCK REQUEST @ RUPDATED	T1=31[illegible]23	SECONDS RUNNING	397931.718397	8399
77[illegible] 7	CLOCK REQUEST @ VSUPDAT	T1=31.23	SECONDS RUNNING	397931.719019	8345
776[illegible]	CLOCK REQUEST @ VUPDATED	T1=31 37	SECONDS RUNNING	397931.838104	8184
DISPLAYS =	64 56 54 [illegible] +[illegible] -[illegible] [illegible]				397932.000042
7[illegible]	CLOCK REQUEST @ LUMLAND	T1=31 63	SECONDS RUNNING	397932.31875	1648
1[illegible]	CLOCK REQUEST @ ROGIMS	T1=31 64	SECONDS RUNNING	397932.041113	0860
73627	CLOCK REQUEST @ DISPEXIT	T1=.1233	SECONDS RUNNING	397932.919504	5904

SNAPSHOT [illegible] SECONDS RUNNING [illegible]

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE [illegible] METRIC UNITS) LANDING	V (FPS)	A (DEGS)	LATVEL FPVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397[illegible] 11:[illegible] LANDING	[illegible]	[illegible]	[illegible] 271.5 7[illegible]	[illegible] 336.67 2628	[illegible] 3.42 3.58	2.76 3.53 5.46	5.5 3.95 2.73	[illegible] .39 [illegible]	.54 .61 [illegible]	452 20 258	1 1 3	4912 5480 18902	574.5 3135 5187	0.55 -935.64
1 7437	CLOCK REQUEST @ READACCS							T1=31241		SECONDS RUNNING		397933.281057		5052
1 7447	CLOCK REQUEST @ PIPSDONE							T1=3126		SECONDS RUNNING		397933.282253		4950
1 76[illegible]	CLOCK REQUEST @ SERVICE							T1=31261		SECONDS RUNNING		397933.293940		3952
1 77127	CLOCK REQUEST @ PBSUPDAT							T1=31323		SECONDS RUNNING		397933.613447		6688
77251	CLOCK REQUEST @ RUPDATED							T1=31333		SECONDS RUNNING		397933.716560		7889
1 77257	CLOCK REQUEST @ VELUPDAT							T1=31333		SECONDS RUNNING		397933.717182		7836
1 77[illegible]	CLOCK REQUEST @ VUPDATED							T1=31347		SECONDS RUNNING		397933.835998		7697
DISPLAYS =	64	5	64	+99443	- 747	+ 2765								397934.000023
1 7241	CLOCK REQUEST @ LUNLAND							T1=31 71		SECONDS RUNNING		397934.019048		2076
1 1632	CLOCK REQUEST @ PGDIMS							T1=31376		SECONDS RUNNING		397934.041475		0197
1 7417	CLOCK REQUEST @ LISPERIT							T1=31[illegible]		SECONDS RUNNING		397934.913406		5758
397[illegible] 11:[illegible] LANDING	[illegible]	[illegible]	[illegible] 263.3 71	[illegible] 336.36 2497	[illegible] 120.25 [illegible]	[illegible] 3.31 0.39	[illegible] 3.41 [illegible]	[illegible] 0.58 [illegible]	[illegible] .61 [illegible]	643 18 252	1 1 4	4826 5491 19865	574.2 3102 5187	0.52 -935.71
1 74 7	CLOCK REQUEST @ READACCS							T1=3157[illegible]		SECONDS RUNNING		397935.281072		4384
1 7447	CLOCK REQUEST @ PIPSDONE							T1=3157[illegible]		SECONDS RUNNING		397935.282267		4282
1 762[illegible]	CLOCK REQUEST @ SERVICE							T1=31571		SECONDS RUNNING		397935.295456		3156
1 77127	CLOCK REQUEST @ PBSUPDAT							T1=31[illegible]		SECONDS RUNNING		397935.609751		6336
77251	CLOCK REQUEST @ RUPDATED							T1=31643		SECONDS RUNNING		397935.711997		7611
77257	CLOCK REQUEST @ VELUPDAT							T1=31643		SECONDS RUNNING		397935.712631		7557
77455	CLOCK REQUEST @ VUPDATED							T1=31657		SECONDS RUNNING		397935.831769		7476
DISPLAYS =	64	6	64	+99443	- 747	+[illegible]2618								397936.000011
1 1[illegible]	CLOCK REQUEST @ PGDIMS							T1=317 1		SECONDS RUNNING		397936.011 71		2090

[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=317[illegible]1	SECONDS RUNNING	39[illegible]7936.018282	1475
[illegible]73437	CLOCK REQUEST @ DISPEXIT	T1=32[illegible]32	SECONDS RUNNING	39[illegible]7936.907312	5611

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TIME	S	V	A	LATVEL	LAT	YAW	BALL-P	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLO
	(STABLE	FRAME	COORDS)	FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING		METRIC UNITS		ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397937	173[illegible] -	[illegible]	[illegible] -	[illegible] -	2.97 -	3.45	[illegible] -	[illegible]	[illegible] -	[illegible]	437 -	1	4773	573.8	0.48
110:32:17 -	[illegible]	[illegible]	[illegible]	2.5[illegible]	30.00	119.74	29.80	29.85	0.74 -	0.10	11 -	1	5503	3871	-935.77
LANDING -	2247	7145 -	1[illegible]2 -	68.1	2374	2.91	5.26	1.87 -	0.15	0.10 -	248	4	18837	5187	

1[illegible]7437	CLOCK REQUEST @ READACCS	T1=32[illegible]	SECONDS RUNNING	39[illegible]7937.281084	3716
1[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=32[illegible]	SECONDS RUNNING	39[illegible]7937.282280	3614
[illegible]762[illegible]	CLOCK REQUEST @ SERVICER	T1=321[illegible]1	SECONDS RUNNING	39[illegible]7937.294165	2600
[illegible]77257	CLOCK REQUEST @ VSLUPDAT	T1=32140	SECONDS RUNNING	39[illegible]7937.607945	5824
[illegible]77455	CLOCK REQUEST @ VUPDATNO	T1=32153	SECONDS RUNNING	39[illegible]7937.716935	6523
1[illegible]143[illegible]	CLOCK REQUEST @ RODIPS	T1=32175	SECONDS RUNNING	39[illegible]7937.892302	1559
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=32176	SECONDS RUNNING	39[illegible]7937.909312	0107
DISPLAYS =	44 [illegible] 64	+[illegible] - [illegible] + [illegible]77			397938.000011
[illegible]7[illegible]7	CLOCK REQUEST @ DISPEXIT	T1=3233[illegible]	SECONDS RUNNING	39[illegible]7938.804374	3729
DISPLAYS =	[illegible]	+[illegible] - [illegible] + [illegible]239			397939.000000

39[illegible]	173[illegible]627 -	1.06	2.15 -	1.06 -	2.98 -	3.09	[illegible].93 -	5.07	[illegible].12 -	0.43	436 -	1	4719	573.6	0.46
110:32:1[illegible] -	[illegible]	[illegible]	[illegible]	7	7.5	33.66	119.2	29.68	2.77 -	0.68	0.1[illegible]	13 -	1	5513	3039	-935.83
LANDING -	[illegible]	7161 -	1.[illegible] -	[illegible]	2257	3.5	5.7	1.91 -	0.41	0.32 -	238	4	18815	5187	

1[illegible]7437	CLOCK REQUEST @ READACCS	T1=3241[illegible]	SECONDS RUNNING	39[illegible]7939.281322	3029
1[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=3241[illegible]	SECONDS RUNNING	39[illegible]7939.282517	2927
[illegible]762[illegible]	CLOCK REQUEST @ SERVICER	T1=32433[illegible]	SECONDS RUNNING	39[illegible]7939.290356	2258
[illegible]77127	CLOCK REQUEST @ RPJSUPDAT	T1=3245[illegible]	SECONDS RUNNING	39[illegible]7939.601998	5665
[illegible]7725[illegible]	CLOCK REQUEST @ RJPDATNO	T1=3246[illegible]	SECONDS RUNNING	39[illegible]7939.716231	6770
[illegible]77257	CLOCK REQUEST @ VELUPDAT	T1=32469	SECONDS RUNNING	39[illegible]7939.726852	6717
[illegible]7745[illegible]	CLOCK REQUEST @ VJPDATNO	T1=3247[illegible]6	SECONDS RUNNING	39[illegible]7939.827629	6411
DISPLAYS =	[illegible]	+[illegible] - [illegible]73 + [illegible]239			397940.000007

1[illegible]1632	CLOCK REQUEST @ RUSIMS	T1=32520	SECONDS RUNNING	397947.003352	1416
1[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=32521	SECONDS RUNNING	397947.013903	0515
[illegible]7[illegible]37	CLOCK REQUEST @ DISPEXIT	T1=32[illegible]52	SECONDS RUNNING	397940.9[illegible]4174	4546

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	P (STABLE METRIC	V MEMBER UNITS)	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397941,	[illegible] -	[illegible] -	[illegible] -	14[illegible] -	2[illegible] -	2[illegible]	2[illegible]16 -	[illegible] -	[illegible] -	[illegible]	432		4683	573.5	0.43
11[illegible] -	[illegible]	[illegible]	[illegible]	2[illegible]	3[illegible]	11[illegible]	[illegible]	[illegible] -	[illegible] -	.32	12 -	1	5524	30[illegible]8	-935.88
LANDING -	[illegible]	[illegible] -	[illegible] -	[illegible]	2143	[illegible]	[illegible]	[illegible] -	[illegible] -	[illegible] -	242	-3	18776	5187	
1[illegible]7[illegible]7	CLOCK REQUEST @ READACCS							T1=32720		SECONDS RUNNING			397941.281135		2378
1[illegible]7[illegible]7	CLOCK REQUEST @ RIPSDONE							T1=327[illegible]		SECONDS RUNNING			397941.282352		2274
[illegible]762	CLOCK REQUEST @ SERVICER							T1=32721		SECONDS RUNNING			397941.293443		1328
[illegible]77127	CLOCK REQUEST @ POSUPDAT							T1=32761		SECONDS RUNNING			397941.614693		3915
[illegible]77[illegible]	CLOCK REQUEST @ RUPDATED							T1=3277[illegible]		SECONDS RUNNING			397941.711479		5656
[illegible]77[illegible]7	CLOCK REQUEST @ VELUPDAT							T1=32773		SECONDS RUNNING			397941.712100		5603
[illegible]77465	CLOCK REQUEST @ VUPDATED							T1=33[illegible]7		SECONDS RUNNING			397941.836315		5003
DISPLAYS =	[illegible]	[illegible]	+ [illegible]	- [illegible]	+ [illegible]										397942.000000
[illegible]7[illegible]	CLOCK REQUEST @ LUNLAND							T1=33[illegible]2		SECONDS RUNNING			397942.[illegible]29411		8525
1[illegible]1642	CLOCK REQUEST @ RUSIMS							T1=33[illegible]4		SECONDS RUNNING			397942.041056		7532
[illegible]7[illegible]7	CLOCK REQUEST @ DISPEXIT							T1=3316[illegible]		SECONDS RUNNING			397942.914257		3018
397944.	[illegible]36552 -	[illegible]	[illegible] -	11.9 -	2.95 -	2.16	[illegible] -	4.51	[illegible] -	0.[illegible]	428 -	1	4575	573.3	0.40
11[illegible]32:24 -	[illegible]21	[illegible]	[illegible]	2[illegible]1	33[illegible]05	119.73	29.42	29.97 -	[illegible]	[illegible]	1[illegible] -	1	5635	2977	-935.94
LANDING -	[illegible]	[illegible] -	[illegible] -	57.9	2.15	2.64	4.5[illegible]	1.28	.31	[illegible]1 -	236	4	18743	5187	
1[illegible]7[illegible]37	CLOCK REQUEST @ READACCS							T1=33[illegible]		SECONDS RUNNING			397943.281[illegible]59		1718
1[illegible]7447	CLOCK REQUEST @ RIPSDONE							T1=3323[illegible]		SECONDS RUNNING			397943.282254		1616
[illegible]76[illegible]	CLOCK REQUEST @ SERVICER							T1= 3[illegible]21		SECONDS RUNNING			397943.293963		0617
[illegible]77[illegible]7	CLOCK REQUEST @ POSUPDAT							T1=3[illegible]7		SECONDS RUNNING			397943.6[illegible]7412		3869
[illegible]77251	CLOCK REQUEST @ RUPDATED							T1=4[illegible]		SECONDS RUNNING			397943.713[illegible]87		4852
[illegible]77[illegible]7	CLOCK REQUEST @ VELUPDAT							T1=[illegible]		SECONDS RUNNING			397943.7137[illegible]8		4799

[illegible]	CLOCK REQUEST @ VUPDAT[illegible]	T1=[illegible]216	SECONDS RUNNING	397943.829052	4956
DISPLAYS =	[illegible]				397944.000009
[illegible]	CLOCK REQUEST @ [illegible]DGIMS	T1=33[illegible]	SECONDS RUNNING	397944.[illegible]1061	0278
[illegible]	CLOCK REQUEST @ LUNLAND	T1=33341	SECONDS RUNNING	397944.[illegible]16207	8985
[illegible]	CLOCK REQUEST @ DISPEXIT	T1=33473	SECONDS RUNNING	397944.915375	2256

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (SECONDS) LANDING	V METRIC UNITS	LATVEL FORWEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-P BALL-Y	COUS COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397945.2	[illegible] -	[illegible] -	[illegible] -	[illegible] -	[illegible] -	[illegible]	[illegible] -	[illegible]	[illegible] -	1	4535	573.2	0.38
110:32:25 -	[illegible]	[illegible]	2246.5	119.47	29.57	[illegible]	[illegible] -	[illegible]	6 -	1	5566	2947	-935.99
LANDING -	1696	[illegible] -	5909	1892	2.54	4.31	[illegible]	0.21 -	234	4	18712	5187	
[illegible]	CLOCK REQUEST @ READACCS					T1=33540		SECONDS RUNNING			397945.281051		1052
[illegible]	CLOCK REQUEST @ PIPSDONE					T1=335[illegible]		SECONDS RUNNING			397945.282247		0950
[illegible]	CLOCK REQUEST @ SERVICER					T1=33541		SECONDS RUNNING			397945.291822		0133
[illegible]	CLOCK REQUEST @ POSUPDAT					T1=33601		SECONDS RUNNING			397945.611007		2896
[illegible]	CLOCK REQUEST @ VUPDAT[illegible]					T1=33612		SECONDS RUNNING			397945.714229		4088
[illegible]	CLOCK REQUEST @ VELUPDAT					T1=33613		SECONDS RUNNING			397945.714850		4035
[illegible]	CLOCK REQUEST @ VUPDATED					T1=33627		SECONDS RUNNING			397945.832730		3975
DISPLAYS =	[illegible]												397946.000008
[illegible]	CLOCK REQUEST @ [illegible]DGIMS					T1=33[illegible]51		SECONDS RUNNING			397946.014993		8422
[illegible]	CLOCK REQUEST @ LUNLAND					T1=33651		SECONDS RUNNING			397946.016115		8327
[illegible]	CLOCK REQUEST @ DISPEXIT					T1=34[illegible]2		SECONDS RUNNING			397946.906774		2324
397947.[illegible]	[illegible] -	[illegible] -	[illegible] -	2.02 -	1.52	.75 -	4.21	[illegible]	[illegible]	1	4451	573.2	0.36
110:32:27 -	[illegible]	[illegible]	[illegible]	1777	2.29	4.21	.76 -	1.53	0.32 - 229	3	18683	5187	-936.04
[illegible]	CLOCK REQUEST @ READACCS					T1=34[illegible]5		SECONDS RUNNING			397947.281064		0384
[illegible]	CLOCK REQUEST @ PIPSDONE					T1=26[illegible]		SECONDS RUNNING			397947.282259		0282
[illegible]	CLOCK REQUEST @ SERVICER					T1=[illegible]91		SECONDS RUNNING			397947.294276		9257
[illegible]	CLOCK REQUEST @ VUPDAT					T1=3411		SECONDS RUNNING			397947.606562		2609

7727	CLOCK REQUEST @ RUPDATLO	T1=34123	SECONDS RUNNING	397947.710921	3703
77257	CLOCK REQUEST @ VLUPDAT	T1=34123	SECONDS RUNNING	397947.711543	3650
77255	CLOCK REQUEST @ VUPDATED	T1=34137	SECONDS RUNNING	397947.830045	3538
DISPLAYS =	64 6 66 +93X42 -0.563 +-1481				397948.000031
11 7432	CLOCK REQUEST @ RDSIMS	T1=34151	SECONDS RUNNING	397948.001082	8943
7241	CLOCK REQUEST @ LUNLAND	T1=34161	SECONDS RUNNING	397948.018033	7496
73447	CLOCK REQUEST @ DISPEXIT	T1=34312	SECONDS RUNNING	397948.905619	1756

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	X	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APDLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	-DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397949.2	1734455 -	15.[illegible]	[illegible] -	7.5 -	2.36 -	1.18	[illegible] -	6.07 -	0.05	0.21	410 -	1	4443	572.2	0.34
11:32:1 -	[illegible]	[illegible]	[illegible]	[illegible]	336.63	139.33	29.42	29.43 -	0.40	0.21 -	1 -	1	5566	2897	-936.08
LANDING -	1449	5.4 -	1.17 -	49.4	1657	1.81	4.61	1.21 -	.61 -	[illegible] -	227	4	18653	5167	
11 7447	CLOCK REQUEST @ READACCS							T1=34369		SECONDS RUNNING			397949.281086		9716
11 7447	CLOCK REQUEST @ PIPSDONE							T1=34369		SECONDS RUNNING			397949.282281		9614
76276	CLOCK REQUEST @ SERVICER							T1=34361		SECONDS RUNNING			397949.294150		8601
77127	CLOCK REQUEST @ RCSUPDAT							T1=34421		SECONDS RUNNING			397949.611102		1554
77251	CLOCK REQUEST @ RUPDATED							T1=34433		SECONDS RUNNING			397949.718160		2427
77257	CLOCK REQUEST @ VELUPDAT							T1=34433		SECONDS RUNNING			397949.718681		2374
7725	CLOCK REQUEST @ VUPDATED							T1=34447		SECONDS RUNNING			397949.837921		2199
DISPLAYS =	64 [illegible]			+91X42	-0.563	+ 1771									397950.000011
7241	CLOCK REQUEST @ LUNLAND							T1=34473		SECONDS RUNNING			397950.034462		5428
11 1632	CLOCK REQUEST @ RDSIMS							T1=34474		SECONDS RUNNING			397950.041069		4864
73437	CLOCK REQUEST @ DISPEXIT							T1=34624		SECONDS RUNNING			397950.923126		9595
397951.0	1734[illegible] -	1[illegible]	[illegible] -	[illegible] -	2.36 -	[illegible]	[illegible] -	3.81	0.1[illegible]	43	410		4381	572.9	0.32
11:32:1 -	[illegible]	[illegible]	[illegible]	2.2	336.63	139.23	[illegible]	2.38 -	1.0[illegible]	0.54 -	3 -	1	5577	2858	-936.13
LANDING -	1452	57[illegible] -	1.31 -	46.7	1652	2.15	[illegible]	[illegible] -	0.10	0.1[illegible] -	222	4	18625	5187	
11 7447	CLOCK REQUEST @ READACCS							T1=34674		SECONDS RUNNING			397951.261051		9052
11 7447	CLOCK REQUEST @ PIPSDONE							T1=34674		SECONDS RUNNING			397951.282247		8950

7[illegible]	CLOCK REQUEST @ SVICE[illegible]	T1=[illegible]71	SECONDS RUNNING	397951.291378	8171
771[illegible]	CLOCK REQUEST @ POSUPDAT	T1=[illegible]4721	SECONDS RUNNING	397951.615262	0533
772[illegible]	CLOCK REQUEST @ PUPDATED	T1=[illegible]	SECONDS RUNNING	397951.713475	2152
77[illegible]	CLOCK REQUEST @ VELUPDAT	T1=[illegible]474[illegible]	SECONDS RUNNING	397951.714097	2099
7745[illegible]	CLOCK REQUEST @ VUPDATED	T1=[illegible]757	SECONDS RUNNING	397951.838713	1465
DISPLAYS =	[illegible] +39X42 - [illegible] + 1[illegible]				397952.000008
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=[illegible]3	SECONDS RUNNING	397952.036369	4598
1[illegible]	CLOCK REQUEST @ FDGIMS	T1=3[illegible]	SECONDS RUNNING	397952.[illegible]41065	4198
0[illegible]	CLOCK REQUEST @ FISPEXIT	T1=3513[illegible]	SECONDS RUNNING	397952.929453	8388

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STARTS MINUS COUNDS) LANDING	V METRIC UNITS	A	LATVEL FORVEL VERTAE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397954[illegible]	1736.99 -	13.4	1.93 -	5.3 -	2.96 -	[illegible]	0.3[illegible] -	3.72	0.14	0.54	408 -	1	4334	572.6	0.30
11[illegible]:32:3 -	[illegible]	3.[illegible]	[illegible]	1[illegible]	336.02	119.3	29.39	29.39	.06	[illegible]	1 -	1	5587	2829	-936.17
LANDING -	[illegible]	[illegible] -	1.1 -	4.1	1404	2.6	3.72	.3[illegible]	.81	- 1.1	- 224	3	18594	5187	

[illegible]	CLOCK REQUEST @ FLADACCS	T1=3[illegible]	SECONDS RUNNING	397953.281178	8375
[illegible]	CLOCK REQUEST @ FIPSDONE	T1=35[illegible]	SECONDS RUNNING	397953.282372	8273
7[illegible]	CLOCK REQUEST @ SERVICER	T1=35[illegible]	SECONDS RUNNING	397953.291271	7513
77[illegible]7	CLOCK REQUEST @ POSUPDAT	T1=35241	SECONDS RUNNING	397953.610258	0293
77[illegible]	CLOCK REQUEST @ PUPDATED	T1=35253	SECONDS RUNNING	397953.714729	1378
77257	CLOCK REQUEST @ VELUPDAT	T1=35253	SECONDS RUNNING	397953.715350	1325
774[illegible]	CLOCK REQUEST @ VUPDATED	T1=35267	SECONDS RUNNING	397953.834372	1169
DISPLAYS =	[illegible] +37X41 - [illegible] + 1564				397954.000019
7[illegible]	CLOCK REQUEST @ LUNLAND	T1=35311	SECONDS RUNNING	397954.019478	5373
[illegible]	CLOCK REQUEST @ FDGIMS	T1=35314	SECONDS RUNNING	397954.[illegible]41074	3530
7[illegible]7	CLOCK REQUEST @ FISPEXIT	T1=35343	SECONDS RUNNING	397954.913453	9087

3979[illegible]	[illegible] -	[illegible]	[illegible] -	4.7 -	[illegible] -	[illegible]	[illegible] -	[illegible]	[illegible]	.54	4.5 -	1	4252	572.3	0.28
11[illegible]:3[illegible] -	[illegible]	[illegible] -	[illegible]	137.9	336.62	119.7	[illegible]	23.7	.54	.21 -	5 -	1	5597	2871	-936.21
LANDING -	1113	[illegible] -	.6 -	4.6	137 -	1.87	3.66	0.37 -	0.33 -	0.00 -	217	4	18565	5187	

[illegible]7437	CLOCK REQUEST @ READACCS	T1=35510	SECONDS RUNNING	397955.281051	7719
[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=35511	SECONDS RUNNING	397955.282246	7617
[illegible]7626	CLOCK REQUEST @ SERVICER	T1=35533	SECONDS RUNNING	397955.291963	6793
[illegible]77127	CLOCK REQUEST @ POSUPDAT	T1=35551	SECONDS RUNNING	397955.612275	9454
[illegible]77251	CLOCK REQUEST @ RUPDATED	T1=35563	SECONDS RUNNING	397955.719584	0297
[illegible]77317	CLOCK REQUEST @ VELUPDAT	T1=35564	SECONDS RUNNING	397955.721412	0141
[illegible]77455	CLOCK REQUEST @ VUPDATED	T1=35577	SECONDS RUNNING	397955.836047	0359
DISPLAYS =	6[illegible] 64 +35X41 - [illegible] + 1465				397956.000014
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=35622	SECONDS RUNNING	397956.029665	3922
[illegible]1683	CLOCK REQUEST @ PDGIMS	T1=35624	SECONDS RUNNING	397956.041052	2865
[illegible]7487	CLOCK REQUEST @ DISPEXIT	T1=35753	SECONDS RUNNING	397956.911788	8563
DISPLAYS =	[illegible] +35X41 - [illegible] + 1365				397957.000008

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	P	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE	MEMBER	COORDS)	RDRVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC	UNITS		ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397957.	[illegible]	[illegible]	[illegible]	[illegible] 7 -	2.95 -	[illegible]7	[illegible]5 -	3.52 -	[illegible]1	0.65	398 -	1	42[illegible]2	572.2	0.26
[illegible] -	[illegible]	[illegible]	[illegible]	181.	336.62	118.3	2.13	2.15	.14 -	[illegible] -	1 -	1	5667	2772	-936.24
LANDING -	[illegible]	[illegible]	[illegible] -	[illegible] -	1293	[illegible]	3.52	.49 -	.49	0.32 -	2[illegible]	3	18537	5187	

[illegible]7437	CLOCK REQUEST @ READACCS	T1=36[illegible]	SECONDS RUNNING	397957.281051	7052
[illegible]7447	CLOCK REQUEST @ PIPSDONE	T1=36[illegible]2	SECONDS RUNNING	397957.282245	6950
[illegible]7626	CLOCK REQUEST @ SERVICER	T1=36[illegible]21	SECONDS RUNNING	397957.290080	6282
[illegible]77127	CLOCK REQUEST @ POSUPDAT	T1=36061	SECONDS RUNNING	397957.611775	8830
[illegible]77251	CLOCK REQUEST @ RUPDATED	T1=36073	SECONDS RUNNING	397957.710800	0380
[illegible]77317	CLOCK REQUEST @ VELUPDAT	T1=36[illegible]73	SECONDS RUNNING	397957.711421	0327
[illegible]77455	CLOCK REQUEST @ VUPDATED	T1=36107	SECONDS RUNNING	397957.834701	9807
DISPLAYS =	64 [illegible] +33X[illegible] - [illegible] + 1372				397958.000021
[illegible]7241	CLOCK REQUEST @ LUNLAND	T1=[illegible]131	SECONDS RUNNING	397958.016647	4281
[illegible]1683	CLOCK REQUEST @ PDGIMS	T1=36133	SECONDS RUNNING	397958.031074	3050
[illegible]7487	CLOCK REQUEST @ DISPEXIT	T1=[illegible]3	SECONDS RUNNING	397958.91[illegible]712	7988

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME (STABLE MEMBER COORDS) LANDING SITE UNITS	A LATV L FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	SALL-- SALL-P SALL-Y	COUX COUY CUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397959 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.48	[illegible]	[illegible]	396	1	4180	572.1	0.25
11:[illegible]	[illegible]	[illegible]	117.57	[illegible]	[illegible]	[illegible]	[illegible]	1	1	5616	2745	-936.28
LANDING	[illegible]	[illegible]	2.41	3.47	[illegible]	[illegible]	[illegible]	[illegible]	4	18519	5187	
[illegible]	CLOCK REQUEST @ READACCS					T1=[illegible]		SECONDS RUNNING		397959.281092		6382
[illegible]	CLOCK REQUEST @ RIPSDOWN					T1=[illegible]		SECONDS RUNNING		397959.282287		6280
[illegible]	CLOCK REQUEST @ SERVICER					T1=36331		SECONDS RUNNING		397959.295257		5088
[illegible]	CLOCK REQUEST @ POSUPDAT					T1=36637		SECONDS RUNNING		397959.606490		8615
[illegible]	CLOCK REQUEST @ VUPDATED					T1=36[illegible]		SECONDS RUNNING		397959.708262		9930
[illegible]	CLOCK REQUEST @ VELUPDAT					T1=36[illegible]		SECONDS RUNNING		397959.708883		9877
[illegible]	CLOCK REQUEST @ VUPDATED					T1=36417		SECONDS RUNNING		397959.832499		9329
DISPLAYS = [illegible]			+01X4	- [illegible]	+ 12[illegible]							397960.000005
[illegible]	CLOCK REQUEST @ DOGIMS					T1=36441		SECONDS RUNNING		397960.011065		4091
[illegible]	CLOCK REQUEST @ LUNLAND					T1=36442		SECONDS RUNNING		397961.027951		2650
[illegible]	CLOCK REQUEST @ LISPEXIT					T1=36572		SECONDS RUNNING		397961.044401		7860
397[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	397	[illegible]	4149	571.9	0.23
11:[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	1	5626	2717	-936.31
LANDING	[illegible]	[illegible]	1119	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	18481	5187	
[illegible]	CLOCK REQUEST @ READACCS					T1=36660		SECONDS RUNNING		397961.281112		5714
[illegible]	CLOCK REQUEST @ RIPSDOWN					T1=36661		SECONDS RUNNING		397961.282307		5612
[illegible]	CLOCK REQUEST @ SERVICER					T1=36641		SECONDS RUNNING		397961.293617		4646
[illegible]	CLOCK REQUEST @ POSUPDAT					T1=36[illegible]		SECONDS RUNNING		397961.606334		7961
[illegible]	CLOCK REQUEST @ VUPDATED					T1=36713		SECONDS RUNNING		397961.712217		8926
[illegible]	CLOCK REQUEST @ VELUPDAT					T1=36713		SECONDS RUNNING		397961.712838		8873
[illegible]	CLOCK REQUEST @ VUPDATED					T1=36724		SECONDS RUNNING		397961.829474		8954
DISPLAYS = [illegible]			+77X[illegible]	- [illegible]	+ 12[illegible]							397962.000000
[illegible]	CLOCK REQUEST @ [illegible]TAS					T1=[illegible]		SECONDS RUNNING		397962.[illegible]1.51		4279

[illegible] CLOCK REQUEST @ LUNLAND T1=36751 SECONDS RUNNING 397962.016658 2947

7[illegible]37 CLOCK REQUEST @ DISPEXIT T1= 71[illegible]2 SECONDS RUNNING 397962.9[illegible]7254 6949

DISPLAYS = [illegible] +77X[illegible] - [illegible]36[illegible] + 11[illegible] 397963.000020

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABL MARKS) METRIC UNITS	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-O BALL-O BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397962.[illegible]	[illegible]	[illegible]	1.7 -	2.95	[illegible]	[illegible]15 -	3.33 -	[illegible]7	[illegible]76	394 -	1	4182	571.8	0.22
11:3[illegible]:[illegible] -	5[illegible]	[illegible] -	[illegible]	336.61	17.6[illegible]	27.72	27.72	[illegible]34	0.32 -	4 -	1	5626	2689	-936.34
LANDING -	797	46.5 -	[illegible] -	32.8	1036	3.25	3.26	0.15 -	0.25 -	0.32 -	203 -	6	18654	5187

[illegible] CLOCK REQUEST @ READACCS T1=37150 SECONDS RUNNING 397963.281050 5052

[illegible]7447 CLOCK REQUEST @ PIPSDONE T1=37151 SECONDS RUNNING 397963.282245 4950

[illegible] CLOCK REQUEST @ SERVICER T1=37151 SECONDS RUNNING 397963.290079 4282

[illegible]7127 CLOCK REQUEST @ POSUPDAT T1=37221 SECONDS RUNNING 397963.606941 7243

[illegible] CLOCK REQUEST @ RUPDATE T1=37222 SECONDS RUNNING 397963.705060 8870

[illegible]7257 CLOCK REQUEST @ VELUPDAT T1=37222 SECONDS RUNNING 397963.705680 8817

[illegible]7255 CLOCK REQUEST @ VUPDATED T1=37232 SECONDS RUNNING 397963.829122 8283

DISPLAYS = [illegible] +77X[illegible] - [illegible] + 1121 397964.000017

[illegible] CLOCK REQUEST @ EDGIMS T1=37261 SECONDS RUNNING 397964.002142 3519

[illegible] CLOCK REQUEST @ LUNLAND T1=37261 SECONDS RUNNING 397964.012675 2620

[illegible] CLOCK REQUEST @ DISPEXIT T1=37261 SECONDS RUNNING 397964.015462 6436

397[illegible] - [illegible] - 1.5 - [illegible] [illegible] 45.9 - 0.38 [illegible] 0.65 388 - 1 4.21 571.8 0.21
11:3[illegible]:45 - 46 3.5 - [illegible] 1545 336.51 117.61 27.1[illegible] 27.1[illegible] - 0.35 0.32 - 5 - 0 5645 2662 -936.37
LANDING - 6[illegible] [illegible] - 7 - 3.9 1[illegible] 2[illegible] 3.38 - [illegible]9 - 0.69 0.21 - 194 3 18496 5187

[illegible] CLOCK REQUEST @ READACCS T1=37[illegible] SECONDS RUNNING 397965.281193 4373

[illegible]7447 CLOCK REQUEST @ PIPSDONE T1=37[illegible] SECONDS RUNNING 397965.282388 4271

[illegible] CLOCK REQUEST @ SERVICER T1=37[illegible] SECONDS RUNNING 397965.291291 3512

[illegible]7127 CLOCK REQUEST @ POSUPDAT T1=37[illegible] SECONDS RUNNING 397965.61[illegible]296 6290

[illegible]7255 CLOCK REQUEST @ RUPDATED T1=37532 SECONDS RUNNING 397965.7[illegible]9262 7845

[illegible]7257 CLOCK REQUEST @ VELUPDAT T1=37[illegible] SECONDS RUNNING 397965.7[illegible]9895 7791

77[illegible]	CLOCK REQUEST VUPDAT[illegible]	T1=37667	SECONDS RUNNING	397965.832222	7352
DISPLAYS =	[illegible] +78X[illegible] - [illegible] + 1.5[illegible]				397966.000018
1[illegible]	CLOCK REQUEST @ RUGIMS	T1=37671	SECONDS RUNNING	397966.[illegible]12410	1976
[illegible]	CLOCK REQUEST @ LUNLAND	T1=37672	SECONDS RUNNING	397966.029756	0496
7[illegible]	CLOCK REQUEST DISPEXIT	T1=37722	SECONDS RUNNING	397966.[illegible]9952	5386

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	V (STABLE MEMBER COORDS) METRIC UNITS	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	DPPX DPPY DPPZ	DGX DGY DGZ	THRUST DELTAV MASS	PCS DPS APS	APOLU PERILU
397967.[illegible]	[illegible] - [illegible]	[illegible]	[illegible] - 1.2	2.3[illegible]	[illegible]	[illegible]	[illegible].42	[illegible].1	[illegible].65	385 -	1	4[illegible]	571.6	0.20
110:32:47 -	[illegible]	3[illegible]	[illegible]	15[illegible].2	116.[illegible]	26.79	26.8 -	[illegible].67	.21 -	[illegible] -	1	5654	2636	-936.39
LANDING -	55[illegible]	4[illegible]	[illegible].86 -	29.1	958	2.55	3.42	[illegible].31	[illegible].62	0.43 -	19[illegible]	4	18401	5187
397967	CLOCK REQUEST @ PGADACCS	T1=37771	SECONDS RUNNING	397967.281051	3719
3[illegible]7[illegible]	CLOCK REQUEST @ PIPSDONE	T1=37776	SECONDS RUNNING	397967.282246	3617
76[illegible]	CLOCK REQUEST @ SERVICES	T1=37771	SECONDS RUNNING	397967.291769	2804
77127	CLOCK REQUEST @ POSUPDAT	T1=[illegible]31	SECONDS RUNNING	397967.613215	5374
77[illegible]	CLOCK REQUEST @ RUPDATED	T1=[illegible]2	SECONDS RUNNING	397967.719078	6340
77[illegible]57	CLOCK REQUEST @ VELUPDAT	T1=[illegible]43	SECONDS RUNNING	397967.719699	6287
7745[illegible]	CLOCK REQUEST VUPDATED	T1=[illegible]57	SECONDS RUNNING	397967.935647	6410
DISPLAYS =	[illegible] +73X39 - [illegible] + [illegible]				397968.000000
7241	CLOCK REQUEST @ LUNLAND	T1=[illegible]2	SECONDS RUNNING	397968.027991	9980
16[illegible]3	CLOCK REQUEST @ RUGIMS	T1=[illegible]	SECONDS RUNNING	397968.641091	8862
7[illegible]37	CLOCK REQUEST @ DISPEXIT	T1=[illegible]32	SECONDS RUNNING	397968.914552	4327
397969	[illegible] - [illegible] - [illegible] - [illegible] - [illegible]	[illegible]2	[illegible]9.78 - 3.47 - [illegible]	[illegible].54	385 - 1	3949	571.3	0.19
110:32:4 -	[illegible]	3[illegible] - [illegible]	142.[illegible]	336.6[illegible]	116.84	27.[illegible]2	27.[illegible]2 - 1.52	[illegible].65 -	5 - 1	5663	2609	-936.42
LANDING -	[illegible]	[illegible].7 -	[illegible].93 -	27.2	914	2.14	3.42 - [illegible].21	[illegible].61	[illegible].21 -	[illegible].99	3	18372	5187
3[illegible]7	CLOCK REQUEST @ PGADACCS	T1=[illegible]	SECONDS RUNNING	397969.281050	3052
3[illegible]7	CLOCK REQUEST @ PIPSDONE	T1=[illegible]	SECONDS RUNNING	397969.282244	2950
77[illegible]	CLOCK REQUEST @ SERVICES	T1=[illegible]	SECONDS RUNNING	397969.291368	2172
77127	CLOCK REQUEST @ POSUPDAT	T1=[illegible]	SECONDS RUNNING	397969.612958	4729

+772[illegible]	CLOCK REQUEST & RUPDATED	TI=[illegible]	SECONDS RUNNING	397969.710597	6398
77[illegible]57	CLOCK REQUEST & VLUPDAT	TI=[illegible]	SECONDS RUNNING	397969.711218	6344
+77[illegible]	CLOCK REQUEST & VHPDATED	TI=[illegible]	SECONDS RUNNING	397969.834912	5789
DISPLAYS =	[illegible] 64 +71X39 [illegible]				397970.000022
[illegible]	PROGRAM LUMINARY COMPLETED	TI=[illegible]	SECONDS RUNNING	397970.000022	1700

SNAPSHOT [illegible] SECONDS RUNNING [illegible]

[illegible]XIT [illegible]UMP

COUNT [illegible] INTERRUPTS LOST = [illegible]
LAST LOSS AT TIME = [illegible]

LAST INTERRUPT AT LOCATION = [illegible] TIME = [illegible]

TOTAL ASC TIME = [illegible] 32% IN NOVAN 17% IN INTERRUPT

DRUM READS TO FETCH F-BANKS = [illegible]

INTERRUPT INHIBIT FLIP:NOT ALLOWED
MODE:NOT INTERRUPTED

BLK2 SPECIAL AND CENTRAL REGISTERS

A	L	Q	EBANK	FBANK	Z	BBANK	ZERO
[illegible]	21329	[illegible]1321	[illegible]	42000	04707	42006	00000
ARUPT	LRUPT	QRUPT			ZRUPT	BBRUPT	BRUPT
[illegible]	[illegible]	[illegible]3517	[illegible]4572	35212	22002	[illegible]	22002
CYR	SR	CYL	EDOP	TIME2	TIME1	TIME3	TIME4
[illegible]	[illegible]	15301	[illegible]	[illegible]4575	410	37776	37773

ERASABLE MEMORY DUMP

		00001	00001	00002	00003	00004	00005	00006	00007
[illegible]	[illegible]43	37773	37777	77[illegible]5	4556	[illegible]61[illegible]	12345	12345	30204
[illegible]	[illegible]	77775	77675	12345	12345	12345	[illegible]	30202	77777
[illegible]	[illegible]	77777	77777	77777	77777	77777	77777	12345	12345
[illegible]	[illegible]	3565	[illegible]	4163	02467	[illegible]150	[illegible]144	02470	00000
7	[illegible]47	2	04707	2777	40[illegible]	04216	60[illegible]	02004	12000
[illegible]	[illegible]	10000	4[illegible]321	00262	02063	56000	00434	00000	02660
11	[illegible]1	[illegible]142	1516	12345	12345	3337	40[illegible]	02027	66403
[illegible]	[illegible]	[illegible]	[illegible]	17777	37774	[illegible]	[illegible]	00000	00000
[illegible]	[illegible]	32373	3[illegible]52[illegible]	[illegible]	[illegible]	66300	2[illegible]2	77775	77773
[illegible]	[illegible]	77776	[illegible]	77777	[illegible]	[illegible]	03660	64113	60[illegible]
[illegible]	[illegible]	3666	3473	3534	10354	[illegible]	02643	03155	00000
[illegible]	[illegible]	[illegible]143	[illegible]1150	[illegible]115[illegible]	[illegible]	[illegible]2632	66[illegible]7	[illegible]	20401
17	[illegible]	114	[illegible]	77721	[illegible]	234[illegible]	77721	11254	20000
[illegible]	[illegible]	7[illegible]74	[illegible]67	11	45667	77776	03351	77777	[illegible]
[illegible]	[illegible]	[illegible]71	[illegible]1400	11254	[illegible]	[illegible]	66[illegible]7	[illegible]	77777
[illegible]	[illegible]	[illegible]72	[illegible]	[illegible]22	[illegible]	2340	[illegible]22	11254	20000
[illegible]	[illegible]	[illegible]2	[illegible]62	[illegible]1	77777	77776	03351	77777	00000
[illegible]	[illegible]	[illegible]71	[illegible]14[illegible]	[illegible]3272	[illegible]	[illegible]	66[illegible]7	[illegible]	77777
[illegible]	[illegible]	7777[illegible]	[illegible]351	77777	[illegible]	[illegible]71	[illegible]14[illegible]	42424	30000
[illegible]	[illegible]	[illegible]	[illegible]7	11	77777	32131	127[illegible]	[illegible]	[illegible]1
[illegible]	[illegible]	4 41[illegible]	[illegible]	62424	3[illegible]	[illegible]	[illegible]00	[illegible]605	77777
[illegible]	[illegible]	12345	12345	12345	12345	12345	12345	12345	12345
[illegible]	[illegible]	[illegible]	[illegible]	123[illegible]5	77777	12345	12345	12345	12345
[illegible]	[illegible]	[illegible]	77215	4537	77721	[illegible]575	71320	77774	14651
[illegible]	[illegible]	775[illegible]1	44211	77777	[illegible]	2315	3515	757[illegible]3	32225

```
                 176                          -14  -4575  00001  00001  04575  00104  00000  77715
                 175                          4575   1313      0   1513  12345  12345   4634  77754
                 174                          7731  12345  12345  12345   4575  00300  21163  12345
                 173                          14504  00000  12345  66342  63465  00000  70000  00000

            E1,140                             0  03217  17552  17621  34320  75536  07110  77777
                 141                          77221  77723  22734     12  32374  00343  01114  00004
                 142                          01117     67  71356  47775  71075  00024  12045  77773
                 143                          61101  11253  77777  34524  00000  33534  66741  32657
                 144                          73435  7442   6[illegible]765  00000  01152  07777  37776  77771
                 145                          77775  37777  27622  67306  00454  77713  77616  00014
                 146                          2711   77775  756[illegible]  00546  26211  03316  16457  02323
                 147                          17343  16571  16577  77457  77076  00020  12436  77766
                 1[illegible]                 27[illegible]  2[illegible]  31[illegible]5  15471  32272  11555  35615  16471
                 1[illegible]                 15[illegible]  77623  65454     107  32025  60036  57255  [illegible]437
                 1[illegible]                 2123     66[illegible]  20466  77765  00002  77776  51704  67756
                 1[illegible]                 [illegible]32  15562  20426  00032  77320  67614  61701  77750
                 1[illegible]                 [illegible]220  17777  0431  00014  72455  10163  15362  00002
                 1[illegible]                 75555  15562  17664  00010  31464  00000  00105  00016
                 1[illegible]                 2124  12345  12345  26101  12345  35522  12345  35165
                 1[illegible]                 12345  12345  12345  [illegible]  12756  2[illegible]  2756  77743
                 1[illegible]                 12345  12345  12345  01267  00604  12345  12345  12345
                 1[illegible]   LINE  SEPARATED  12345  12345  12345  12345  12345  12345  12345  12345
                 1[illegible]   <<----  UNTIL  [illegible]66  12345  12345  [illegible]345  12345  12345  12345  12345
                 1[illegible]                 12345  12345  12345  12345  12345  12345  12345  12345
                 1[illegible]                 12345  12345  12345  12345  05105  02013  26163  04631
                 1[illegible]                 1345  12345  12345  12345  12345  12345  12345  12345
                 1[illegible]                 12345  12345  12345  12345  12345  12345  12345  12345
                 1[illegible]                 12345  12345  12345  [illegible]345  12345  07163  00000  00025
                 1[illegible]                 2[illegible]  77331  57777  16215  00000  17777  20000  17762
                 1[illegible]                 00000  77777  00001  77755  00021  77777  00000  77777
                 1[illegible]                 [illegible]  76174  16[illegible]3  77777  00000  04613  00000  00016
                 1[illegible]                 [illegible]  77331  [illegible]  [illegible]66  00077  [illegible]5  77754  00000

            E1,160                             [illegible]6  1[illegible]  00000  5136  67056  00000  77776  77664
                 161                          [illegible]  00000  [illegible]  [illegible]  [illegible]  [illegible]  24105  00000
                 162                          60000  00000  05574  07277  05625  07475  05265  05575
                 163                          [illegible]16  4[illegible]  5617  5274  05617  00000  00000  00000
                 164                          77771  [illegible]  [illegible]  [illegible]  [illegible]16  12345  12345  12345
                 165                          12345  12345  62177  12345  77371  00006  55321  20000
                 166                          55[illegible]  77777  77477  2[illegible]  55320  12345  77377  12345
                 167                          5[illegible]  2[illegible]  77721  [illegible]  51[illegible]  57744  35660  00016
                 170                          00000  06202  12345  12345  04575  01417  12345  12345
                 171                          [illegible]03  12345  [illegible]  12345  04571  14577  12345  12345
                 172                          12345  1[illegible]345  12345  1[illegible]345  12345  [illegible]  34722  77777
                 173                          75522  [illegible]  [illegible]375  00047  01520  77772  67209  00004
                 174                          21[illegible]2  12345  12[illegible]  12345  12345  12345  05453  [illegible]003
                 175                          [illegible]7  37711  77777  167[illegible]3  77310  04634  77754  00000
                 176                          [illegible]  00000  [illegible]247  74137  12345  12345  12345  12345
                 177   LINE  SEPARATED  12345  12345  12345  12345  12345  12345  12345  12345
                 [illegible]   <<----  UNTIL  1[illegible]345  12345  12345  12345  12345  12345  12345  12345  77721
                 [illegible]                 53646  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  25262  [illegible]
                 [illegible]                 51[illegible]  [illegible]  [illegible]  [illegible]575  [illegible]  77775  75301  [illegible]
                 [illegible]                 [illegible]  [illegible]  [illegible]  [illegible]12  72[illegible]  [illegible]551  [illegible]1  4[illegible]7
                 [illegible]                 [illegible]  [illegible]  62167  77176  00005  00275  00001  00000
                 [illegible]                 [illegible]  [illegible]  [illegible]  [illegible]3  3[illegible]6  [illegible]11  3[illegible]  51[illegible]2
                 [illegible]                 [illegible]  77774  [illegible]  [illegible]  [illegible]  77777  77777  37[illegible]2
```

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67574	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12345	12345	12345	12345	12345	12345	12345	12345	12345	12345	12345
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

217	147		12345	12345	12345	12345	12345	12345	00000	00000			
	1		12345	12345	12345	12345	12345	12345	12345	12345			
	16	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345			
	1	<<---- UNTIL	[illegible]	[illegible]	15[illegible]	02260	17723	14514	77777	77777			
	1		17723	14514	76267	75117	[illegible]	77777	77777	77777			
	1		77777	77777	4575	[illegible]	77311	14613	00016	00223			
224	1		77774	77604	[illegible]	31216	77774	06625	[illegible]	26036			
227	1		16	15577	[illegible]	71211	77325	73777	72352	71435			
1	17		12345	12345	12345	12345	12345	12345	12345	12345			
234	171		12345	12365	12365	12345	12345	12345	77776	45107			
	17		[illegible]	[illegible]	77777	72546	77775	62163	00067	54113			
	17		16	31727	3237	06501	77311	14613	00016	14575			
244	174		01164	12345	12345	12345	77772	23207	77732	12345			
	17	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345			
	56,14	<<---- UNTIL	4576	5207	77773	41061	00000	00303	77773	76320			
	1		77761	6264	[illegible]	[illegible]	77774	64173	77774	64167			
	1		[illegible]	[illegible]	77654	45446	7777	55426	77171	41354			
	1		77544	53660	37777	12365	01015	00001	00000	00624			
	1		[illegible]	[illegible]	77777	77635	77777	774[illegible]	[illegible]	[illegible]			
	1		[illegible]	372	[illegible]	14522	00001	[illegible]	77774	71233			
	146		00000	01142	77754	67646	06612	36716	00000	12365			
	147		[illegible]	6231	[illegible]	26714	77731	44631	77127	55622			
	1		76667	61356	72654	51602	72775	57777	04114	04453			
	151		77777	73262	[illegible]	[illegible]	[illegible]	[illegible]	01750	[illegible]			
	152		[illegible]	1717	[illegible]	04211	01642	[illegible]	01414	00136			
	1		11463	11463	11463	6315	06315	06315	03146	14370			
256	1		11500	00006	15104	01429	00001	27631	00013	76551			
	1		17017	1721	73311	47334	07141	12264	73473	41017			
	1		15545	15411	3325	16761	00016	32446	00007	23346			
	1		00000	00000	06733	07535	17777	37760	77777	64160			
	1		14	2615	0000	23623	17760	17244	77[illegible]7	76465			
1	1		77773	76153	0477	03314	17760	17224	[illegible]	14263			
262	1		77776	52343	77777	77554	77764	76102	77777	10714			
	1		77777	77751	77776	74431	00000	[illegible]	[illegible]	00000			
	1		[illegible]	[illegible]	[illegible]	61266	77777	77777	60175	72323			
	165		2341	05714	7523	52523	12345	12345	12345	12345			
	16	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345			
7	171	<<---- UNTIL	12345	2721	12345	12345	12345	12345	12345	12345			
1724	172	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345			
17	174	<<---- UNTIL	12345	12345	12345	12345	12345	12345	05216	12345			
17	175	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345			
177	177	<<---- UNTIL	12345	12345	12345	12345	12345	12345	77765	00002			
	56,14		12357	15556	04431	77001	[illegible]12	[illegible]74	77001	[illegible]			
1	1		00174	00246	02162	06363	06014	37743	01730	76066			
	1		37774	77765	77445	77736	77762	77753	77635	00154			
	1		03360	[illegible]	00156	00116	00001	00005	[illegible]	34000			
3	1		77313	04557	00013	57777	32321	77777	51640	73446			
2	1		77765	5254	00053	45342	12345	12345	12345	77777			
	1		[illegible]	[illegible]	12345	12345	114	[illegible]	31777	[illegible]			
2	1		37777	[illegible]	[illegible]	[illegible]	76777	77465	02724				
	1		[illegible]	77776	[illegible]	77776	03356	[illegible]	02533	5116			
1	1		05316	4350	4394	01315	1426	12520	11342	10770			
34	1		11577	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77764	22620			
1	1		14 4	1337	1175	74	1740	[illegible]	[illegible]	77762			
1	1		12560	77753	74715	77727	[illegible]	77775	77773	[illegible]			

[illegible]	[illegible]				0	12500	125	7777	37777	00643	00000	75263
116	156				75263	00155	00155	00620	00620	00000	00000	17504
[illegible]	157				227	1 125	1 741	37777	37777	72675	7 771	76255
[illegible]	[illegible]				7 21	155	155	0062	00620	00000	00000	21116
[illegible]	[illegible]				21162	10428	10429	37777	37777	72007	72040	76142
[illegible]	[illegible]				76142	155	155	0062	00620	00000	00000	53054
[illegible]	[illegible]				53054	[illegible]	[illegible]	[illegible]	00002	77201	04566	77734
2 4	160				77000	00001	00001	00032	77703	77727	03400	63436
[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	0161	10116	77777	03474	77747
[illegible]	[illegible]				63561	77762	75742	0004	12167	01115	17613	20000
[illegible]	1[illegible]				[illegible]	00020	00000	00012	00000	77762	00040	00027
[illegible]	17[illegible]				77773	[illegible]	[illegible]	00046	25267	77773	32744	77777
[illegible]	[illegible]				77724	[illegible]	16772	7777	34665	77743	62046	01570
[illegible]	172				07664	77702	26502	70141	62207	00000	76112	01330
[illegible]	173				5627	77775	5 261	03570	32545	167 6	77650	[illegible]
[illegible]	17[illegible]				7 5	575	152	00 5	77762	147 7	77760	77535
[illegible]	175				[illegible]	00033	00065	03273	77777	12703	00000	40000
[illegible]	176				[illegible]	777 7	77752	77712	00005	00001	00005	00
3 7	177				[illegible]	[illegible]	12345	12345	12345	12345	12345	12345
7	7,[illegible]				1	312	1	312	65252	[illegible]	12525	25252
[illegible]	1[illegible]				41	52525	1	1	10000	10000	10000	10000
[illegible]	1[illegible]				55511	13136	15000	1447	00226	7424	77743	01407
[illegible]	1[illegible]				57777	[illegible]	175	12345	12345	12345	12345	12345
[illegible]	[illegible]				12345	14771	22456	00002	00000	00000	00000	12345
365	16[illegible]				12345	12345	12345	77776	37635	02100	12345	04634
[illegible]	16[illegible]				77754	77312	12345	00 66	36605	2543	00766	12566
[illegible]	1[illegible]7				66111	[illegible]	33 55	77765	61331	77777	60077	04300
[illegible]	1[illegible]				16703	12345	12345	12345	12345	12345	12345	04430
551	150				14663	14572	62454	0025	30337	00001	12345	12345
[illegible]	[illegible]				424	17051	77777	73161	77776	22132	77764	21663
353	15[illegible]				00004	10742	00062	62405	77777	10351	17777	37774
[illegible]4	156[illegible]				77777	5 237	77775	7515	77721	53654	00031	04211
[illegible]	15[illegible]				[illegible] 7	12252	00036	25262	00034	61167	00035	36720
15[illegible]	15[illegible]				14575	00[illegible]	77775	75301	00001	00003	00000	00011
[illegible] 70	1[illegible]7				4 12	72000	0324	57151	77777	73061	77776	22132
[illegible]	[illegible]				77764	21663	4	1 742	30062	624 5	77777	03433
361	[illegible]				77761	57672	77754	12652	77754	2543	12345	00003
[illegible]	[illegible]				12343	00001	1 365	0062	36576	37771	77776	63405
[illegible]	[illegible]				77777	75[illegible]5	[illegible] 7	711	3237	6476	77777	75437
[illegible]	16[illegible]				[illegible]	33[illegible]6	76[illegible]7	43624	12345	12365	00045	00000
[illegible]	16[illegible]				3545	00001	00	77715	00000	1513	77764	21663
[illegible]	[illegible]				04	10742	00062	62405	00000	0146	00107	00046
[illegible]7	167				00032	00001	00065	00000	00300	00000	77773	00371
[illegible]7	[illegible]7				7777	00371	[illegible]	[illegible]	00012	00332	77727	00021
71	71				3 4	77714		566	12161	0416	00000	00002
[illegible]	17[illegible]				6137	17777	37773	77777	64270	00102	32627	00000
[illegible]	17[illegible]				13476	17777	37773	77777	00131	77771	73653	00026
[illegible]	[illegible]				3217	[illegible]	0570	17777	77777	77775	00003	12345
[illegible]	175				12345	12345	12345	12345	04574	00300	12345	12345
7	[illegible]				12345	12345	12345	12345	2[illegible]	[illegible]	[illegible]	00000
[illegible]	177				[illegible]	[illegible]	72751	54764	77777	14351	60641	67574

CHANNEL [illegible]

CH 3 CH 4 CH 5 CH 6 CH 7

CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17
[illegible]	1[illegible]	2663	[illegible]116	[illegible]	[illegible]	[illegible]	VACANT
CH 20	CH 21	CH 22	CH 23	CH 24	CH 25	CH 26	CH 27
VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT
CH 30	CH 31	CH 32	CH 33	CH 34	CH 35		
36311	57777	77777	77057	[illegible]	[illegible]		

MAIN [illegible] ENTRY #[illegible]

PART 6 DYNAMIC VEHICLE PERFORMANCE EXTREMES

ENV. TIME	XTREME VALUE	DATA DESCRIPTION	UNITS
[illegible]	- 1[illegible]	MIDDLE GIMBAL ANGLE MINIMUM	DEGREES
[illegible]	3.[illegible]	MIDDLE GIMBAL ANGLE MAXIMUM	DEGREES
[illegible]	-1.71	ANGULAR RATE MAXIMUM	DEGREES/SEC

CS JET #	TIME ON	# FIRINGS	FUEL USED
1	4.44	29	1.65
[illegible]	4.75	51	1.79
3	[illegible]	6	0.04
4	.61	3	.22
5	5.25	39	1.95
6	12.03	3	4.61
7	[illegible]	4	[illegible]
[illegible]	[illegible]	4	[illegible]
[illegible]	4.76	52	1.8
[illegible]	4.[illegible]	26	1.[illegible]
11	[illegible]	6	[illegible]
[illegible]	.61	3	.22
[illegible]	[illegible]	3	1.73
14	13.21	37	4.84
15	[illegible]	4	.02
[illegible]	.54	4	.23

[illegible] TANKS : TOTAL PROPELLANT REMAINING = [illegible] LBS ; TOTAL PROPELLANT USED = 21.13 LBS
APS TANKS : TOTAL PROPELLANT REMAINING = 5187.[illegible] LBS ; TOTAL PROPELLANT USED = [illegible] LBS
DPS TANKS : TOTAL PROPELLANT REMAINING = 26[illegible].6 LBS ; TOTAL PROPELLANT USED = 15616.24 LBS

EDIT II. OUT OF TOL--AGC PERFORMANCE, AND IGNORE AGC OUTPUT

ENV TIME	PAGE #	MESSAGE REPRINT
[illegible]	22	RADAR CONFUSED BY ASTRONAUT CALL AT T = [illegible]
[illegible]	7[illegible]	RADAR CONFUSED BY ASTRONAUT CALL AT T = [illegible]

EDIT III. MAJOR ENVIRONMENT DISCONTINUITIES

ENV TIME	PAGE #	MESSAGE REPRINT
[illegible].41	1[illegible]	IMU CDU NOISE SIGMA SET TO [illegible] PULSES
[illegible]	18	IMU FAST SWITCH SET TO 1.
[illegible].44	22	IMU CDU ZERO BIT HAS GONE ON.
[illegible].77	22	IMU CDU ZERO BIT HAS GONE OFF.
[illegible].67	26	LEM: LGC IS NOW IN CONTROL OF SPACECRAFT
[illegible].95	26	IMU ERROR COUNTER ENABLE BIT HAS GONE ON.
[illegible]	[illegible]	LEM: DESCENT ENGINE THRUST HAS BEEN TURNED [illegible] (0=OFF,1=ON)
[illegible]	[illegible]	RANGE DATA GOOD BIT CHANGED TO AT T = [illegible]
[illegible].28	97	FOOT OF BEAM CROSSED MAP BOUNDARY- (1=TO MAP, [illegible]= OFF [illegible]
[illegible]	132	VELOCITY DATA GOOD BIT CHANGED TO AT T = [illegible]
[illegible]	19	L/R ANTENNA POSITION CHANGE INITIATED AT T = [illegible]
[illegible]	39	RANGE DATA GOOD BIT CHANGED TO AT T = [illegible]
[illegible]	1[illegible]	VELOCITY DATA GOOD BIT CHANGED TO AT T = [illegible]
[illegible]	21	L/R ANTENNA POSITION CHANGE COMPLETED AT T = [illegible]
[illegible].28	2[illegible]	VELOCITY DATA GOOD BIT CHANGED TO AT T = [illegible]
[illegible].28	22	RANGE DATA GOOD BIT CHANGED TO AT T = [illegible]

RADFREQ [illegible] REQUEST TENILL FLAG. BRING OUTPUT TO DIGITAL SIMULATION GROUP.

EDIT IV. EVALUATION OF EFFICIENCY OF USE OF IBM 360, THE AGC SIMULATOR, AND THE ENVIRONMENT.
(INTERPRETATION GUIDELINES WILL BE PUBLISHED WHEN THEY BECOME AVAILABLE.)

AGCT/CPUT [illegible].25 AGCT 37 CPUT [illegible] 338 AVG DT [illegible].76 PBLKS/AGCT 72.02 DBLKS/[illegible] 3.15 FBNKS/[illegible] 29.44

CFDUMPS & ENVSUMS [illegible].022 [illegible] FOR EACH UPDATE REASON: FREQUENCY (UPDATES/AGCTI, AVG DT (AGC SEC)

FEAL IMU CDUS	1.395	[illegible]	READ PIPAS	[illegible]	[illegible]	READ CDUS (S & T)	[illegible]	[illegible]	[illegible].000
OUTLIT CHANGES	[illegible].22	[illegible]	PULSE TRAINS	[illegible].11	[illegible]	DSKY FLASHING	[illegible]	[illegible]	[illegible].041
ENV RETURN REQUEST	[illegible].574	[illegible]	ALL OTHER	[illegible].47	[illegible]	FORMAT	[illegible]		

END OF ENVCNTRL RUN TERMINATION EDITING.

MAC POST MORTEM ANALYSIS

TERMINATION CONDITION: NORMAL

CONTROLLING MAC PROGRAM AT TERMINATION WAS COMMON ENVCNTRL

BLOCK # 2

LOCK ADDRESS 13[illegible] (HEXADECIMAL) 3[illegible] (DECIMAL)

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

EMPTY

CURRENT FILE INDEX SETTINGS:

DATAFILE READ 233756
DATAFILE WRITE
CALLFILE READ
CALLFILE WRITE

RUN TIME WAS 2.71 SECONDS. THERE WERE 6275 PBLK LOADS, 411 DBLK LOADS, 2563 FBANK LOADS

```
*       COLLECT NEWPLOT

*       USE OLD FILE

*       SD
```

MAC COLLECT TIME LOADING MAP

[illegible] SUPPROGRAM MACPROG.COMMON.NEWPLOT

MACROPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
	COMMON.NEWPLOT	BEGINPLT LIST LABELS DEDUMP UNITS	[illegible]	11/12/[illegible]	12:33	MCP001
	COMMON.MAXFLD	1	[illegible]	08/31/67	19:02	MCP001
	COMMON.PLOTXSZ	START	[illegible]	1/22/69	14:45	MCP001
6	COMMON.PLOTHEAD	BXOD BXOD1	[illegible]	12/1[illegible]/69	20:17	MCP001
5	COMMON.FILEPLOT	START ENDPLOT	[illegible]	06/[illegible]7/68	1[illegible]:04	MCP001
4	COMMON.CNTPLOT	BEGIN	[illegible]	09/[illegible]0/68	20:04	MCP002
3	COMMON.LETPLOT	OLDLETR PLOT LETR LABL	[illegible]	05/19/69	1[illegible]:19	MCP001

SUBPROGRAMS COLLECTED:

#	NAME	SIZE	
1	HOGPLOT	1144	
	NAMOFLDA	29[illegible]8	RESIDENT
	FPLOT	11[illegible]6	RESIDENT

COMMON AREA ALLOCATION:

NAME	BASE ADDR
COMMBLK	[illegible]E3
#TEMPAC	94728
CALLFILE	9772

TOTAL NUMBER OF PDEKS COLLECTED: 57

AT [illegible] ACTIVATED, SIZE IS LARGE
DATA FILE OF PREVIOUS RUN STEP BEING USED

[illegible] MAC PROGRAM BLOCKS WERE LOADED.

SPACE WAS ALLOCATED FOR [illegible] DATA BLOCKS.

THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS: [illegible] (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS [illegible] SECONDS

FILE DUMP REQUESTED FROM [illegible] THRU [illegible]

[illegible]

[illegible] 3.97133[illegible] [illegible] 2 2.[illegible] 0[illegible] [illegible]

[illegible] 1 3.971[illegible] [illegible] 2 1.[illegible] 0[illegible] [illegible]

[illegible]

ABOVE LINE REPEATED UNTIL

[illegible]

ABOVE LINE REPEATED UNTIL

[illegible] 1.29325 [illegible] 3 1.39[illegible]352233 01 1.[illegible] 03

END OF DUMP

PLOT GENERATED BY NEWPLOT: FORMAT = 13[illegible], SEGMENT 3

X,Y MIN	X,Y MAX	X,Y INCH	X,Y DT	X,Y LABEL	X,Y LINE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02

PLOTTING	OFFSET	XSCALE	YSCALE
[illegible]	[illegible]	[illegible]	[illegible]

ENVCNTRL: BAD LABEL SCALING. THE PLOT IS PROBABLY TOO SHORT.

MAX, MIN, INCHES, DT, LABL

[illegible] 05

ENVCNTRL: BAD LABEL SCALING. THE PLOT IS PROBABLY TOO SHORT.

MAX, MIN, INCHES, DT, LABL

[illegible] 05

ENVCNTRL: BAD LABEL SCALING. THE PLOT IS PROBABLY TOO SHORT.

MAX, MIN, INCHES, DT, LABL

[illegible] 05

ENVCNTRL: BAD LABEL SCALING. THE PLOT IS PROBABLY TOO SHORT.

MAX, MIN, INCHES, DT, LABL

[illegible] 05

PLOT GENERATED BY NEWPLOT: FORMAT = 7.[illegible], SEGMENT 3

X,Y MIN	X,Y MAX	X,Y INCH	X,Y DT	X,Y LABEL	X,Y LINE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4703849826 7 02

PL TFL[illegible] TOPESET XSCALE YSCALE
1[illegible] [illegible]2 [illegible] [illegible]2 [illegible] [illegible]

******* FILEPLOT H[illegible] [illegible]OTH DATA SET SYSPLOT[illegible]73[illegible] [illegible]221-5[illegible] [illegible]41447[illegible]

******* PHYSICAL [illegible]ATA: [illegible]S= [illegible], JOB LENGTH= 3[illegible]", MAX FRAME= 9", AVG FRAME= 7"

***PLOTTING T[illegible]MINATE[illegible] VIA CALL FILEPLOT(ENDPLOT)

[illegible] POST MORTEM ANALYSIS

[illegible] TERMINATION CONDITION: NORMAL

[illegible] NTROLLING MAC PROGRAM AT TERMINATION WAS COMMON NEWPLOT

BLOCK # 11

BLOCK ADDRESS 884 (HEXADECIMAL) 2949 (DECIMAL)

CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

EMPTY

CURRENT FILE INDEX SETTINGS:

DATAFILE READ	51
DATAFILE WRITE	22
CALLFILE READ	0
CALLFILE WRITE	

[illegible] TIME WAS [illegible] SECONDS. THERE WERE [illegible] PBLK LOADS, 73 DBLK LOADS

END OF [illegible] OBJECT TIME JOB STEP

```
IEF285I   SYS1.MACRO                                          KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   SYS1.MACEXT                                         KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]      SYSOUT
IEF285I   VOL SER NOS= SYSIO1.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]      SYSOUT
IEF285I   VOL SER NOS= SYSIO2.
IEF285I   SYS1.SIMADF                                         KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   SYS1.SIMADF                                         KEPT
IEF285I   VOL SER NOS= STOR3.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]      DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   SYS1.MACEXT                                         KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   ASCSIM.ADATA                                        KEPT
IEF285I   VOL SER NOS= STOR2.
IEF285I   MCPROG.COMMON.CATPLOT                               KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   MCPROG.COMMON.CATPLOT                               KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0222  KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0225  KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0226  KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0227  KEPT
IEF285I   VOL SER NOS= MCPROG.
IEF285I   SYS7.T121465.V[illegible].A122165.SYSPLOT           NOT DELETED
IEF285I   VOL SER NOS= SYSIO1.
IEF285I   SYSPLOT.CATLG                                       KEPT
IEF285I   VOL SER NOS= STOR3.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0230  DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0231  DELETED
IEF285I   VOL SER NOS= WRKDRM.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0231  KEPT
IEF285I   VOL SER NOS= ASCSIM.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0232  DELETED
IEF285I   VOL SER NOS= SYSIO2.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0233  DELETED
IEF285I   VOL SER NOS= SYSIO1.
IEF285I   TAPDIR                                              KEPT
IEF285I   VOL SER NOS= STOR1.
IEF285I   TAPDIR                                              KEPT
IEF285I   VOL SER NOS= SYSLIB.
IEF285I   MARSDTA                                             KEPT
IEF285I   VOL SER NOS= MT[illegible].
IEF285I   MARSDTA                                             KEPT
IEF285I   VOL SER NOS= MT[illegible].
IEF285I   MAIREF                                              KEPT
IEF285I   VOL SER NOS= STOR2.
IEF285I   SYS7.T121465.V[illegible].A122165.R[illegible]0240  DELETED
IEF285I   VOL SER NOS= SYSIO1.
IEF285I   ASCSIM.STATDATA                                     KEPT
IEF285I   VOL SER NOS= STOR3.
IEF285I   SYS7.T121465.V[illegible].A122165.S[illegible]0247  SYSIN
IEF285I   VOL SER NOS= SYSIN.
```

```
IEF28[illegible] I   SYS[illegible],T [illegible],S[illegible]237      DELETED
IEF285I   VOL SER NOS= SYS[illegible]
IEF26[illegible] I K[illegible],MT[illegible]237,A[illegible],
IEF28[illegible] I K[illegible],      ,/[illegible],
END STEP [illegible]1: A[illegible]                    SYSTEM C[illegible]= [illegible],USER CODE=[illegible]          STEP TIME:  13.386 MIN   [illegible]3/21/70 04:14:56

END JOB: A[illegible]77                                  BYLES=[illegible]          PRTY= 7  JOB TIME:  13.386 MIN   [illegible]3/21/70 04:14:56

BASED ON [illegible] DECEMBER, [illegible]68   ACCOUNTING, THIS JOB COST    78.[illegible]8 DOLLARS

.THIS ACCOUNT BUDGET:  TP= [illegible] MIN,   TL=  247[illegible].022 MIN,   TI=      [illegible] MIN.
```

```
//A122166     JOB 0277,EYLES.D                                          ROLLCSS2


                        ***********************************
                        *                                 *
                        *        JOB: A122166             *
                        *    PROBLEM: 0277                *
                        * PROGRAMMER: EYLES.O             *
                        *       ROOM: IL7  -238C     MS# 64 *
                        *  EXTENSION: 1441               *
                        * HUME PHONE: 523-4B7B            *
                        *                                 *
                        ***********************************


//      EXEC ROLLSIM
XXR        EXEC PGM=MACFETCH,REGION=392K,TIME=120,PARM=MACSUPER          00010000
XXMACPAC     DD OSNAME=SYS1.MACPAC,DISP=SHR                              00020000
XX           DD CSNAME=SYS1.MACEXT,DISP=SHR                              00030000
XXSYSPRINT   DD SYSOUT=A                                                 00040000
XXSYSUDUMP   DD SYSOUT=A,SPACE=(TRK,(1,50),RLSE)                         00050000
XXSYSPUNCH   DD DUMMY                                                    00060000
XXAOF        DD OSNAME=SYS1.SIMAOF,DISP=SHR                              00070000
XXAOF1       DD OSNAME=SYS1.SIMAOF1,DISP=SHR                             00080000
XXPBF        DD UNIT=2301,SPACE=(CYL,(2,2))                              00090000
XXEXTLIB     DD OSNAME=SYS1.MACEXT,DISP=SHR                              00100000
XXSIMDAT     DD CSNAME=AGCSIM.AOATA,UNIT=2314,VOL=SER=STOR02,DISP=SHR    00110000
XXMAC01A     DD UNIT=2314,VOL=SER=MCP001,DISP=OLD                        00120000
XXMAC01B     DD UNIT=2314,VOL=SER=MCP002,DISP=OLD                        00130000
XXMAC01D     DD UNIT=2314,VOL=SER=MCP004,DISP=OLD                        00140000
XXMAC03E     DD UNIT=2314,VOL=SER=MCP005,DISP=OLD                        00150000
XXMAC03F     DD UNIT=2314,VOL=SER=MCP006,DISP=OLD                        00160000
XXMACSTAT    DD UNIT=2314,VOL=SER=MCP006,DISP=OLD                        00170000
XXSYSPLOT    DD UNIT=2314,VOL=SER=SYSI03,DISP=(OLD,DELETE)               00180000
XXCATLG      DD OSNAME=SYSPLOT.CATLG,DISP=SHR                            00190000
XXDISKSYMB   DD UNIT=2301,SPACE=(CYL,(1,1))                              00200000
XXSIMBINXX   DD UNIT=2301,SPACE=(CYL,(1,1))                              00210000
XXSIMDISKP   DD UNIT=2314,VOL=SER=AGCB02,DISP=SHR                        00220000
XXROLLBACK   DD UNIT=SYSDA,SPACE=(CYL,(2,1,4))                           00230000
XXMACSLIBD   DD UNIT=SYSDA,SPACE=(CYL,(2,1,4))                           00240000
XXTAPEDIR1   DD CSNAME=TAPDIRB,DISP=SHR                                  00250000
XXTAPEDIR2   DD OSNAME=TAPDIR9,DISP=SHR                                  00260000
XXMARSD1     DD UNIT=(TAPE9,,DEFER),LABEL=(,SL),DISP=(NEW,KEEP)          00270000
XXMARSD2     DD UNIT=(TAPE9,,DEFER),LABEL=(,SL),DISP=(NEW,KEEP)          00280000
XXRADEFFDS   DD OSNAME=RADEFF,UNIT=2314,VOL=SER=STOR02,DISP=SHR          00290000
XXSIMINPUT   DD UNIT=SYSDA,SPACE=(TRK,(10,2))                            00300000
XXAGCSTAT    DD DSN=AGCSIM.STATDATA,DISP=SHR                             00310000
//SYSIN DD *
//

BEGIN STEP  1: REGION=392K MAXTIME= 120.000 PGM=MACFETCH                                    03/21/70 04:15:01
IEF236I ALLOC. FOR A122166  R
IEF237I MACPAC    ON 347
IEF237I           ON 347
IEF237I SYSPRINT ON 236
IEF237I SYSUDUMP ON 236
IEF237I AOF       ON 457
IEF237I AOF1      ON 234
```

```
IEF237I PBF      ON 1C0
IEF237I EXTLIB   ON 347
IEF237I SIMCAT   ON 455
IEF237I MACC1A   ON 342
IEF237I MAC01B   ON 344
IEF237I MAC01O   ON 340
IEF237I MAC03E   ON 343
IEF237I MAC03F   ON 235
IEF237I MACSTAT  ON 235
IEF237I SYSPLOT  ON 456
IEF237I CATLG    ON 234
IEF237I DISKSYMB ON 1C0
IEF237I SIMBINXX ON 1C0
IEF237I SIMDISKP ON 454
IEF237I ROLLBACK ON 456
IEF237I MACSLIBO ON 231
IEF237I TAPEDIR1 ON 341
IEF237I TAPEDIR2 ON 347
IEF237I MARS01   ON 0C3
IEF237I MARS02   ON 0C5
IEF237I RADFFFOS ON 455
IEF237I SIMINPUT ON 456
IEF237I AGCSTAT  ON 234
IEF237I SYSIN    ON 456
```

```
*       ROLLBACK ANEWROT  07800324  397883
*       COLLECT ENVCNTRL
*       FOR LVCBLK2 USE NOPROG
*       FOR CSMBLK2 USE NOPROG
*       FOR SATURN USE NOPROG
*       FOR ATTITUDE USE NOPROG
*       FOR DISCONT USE NOPROG
*       FOR LMP1 USE NOPROG
*       FOR OPTICS82 USE NOPROG
*       FOR TARGET USE NOPROG
*       FOR ASTRNAUT USE CAST
*       FOR UNIVERSE USE LGRAV.UNIVERSE
*       FOR  RADAR USE LEM.RADAR
*       FOR PAPER.MOON USE  LUNAR.TERRAIN
*       LOAD FILE JPLUNIV.EPHM6970
*       LOAD FILE APOLLO12.SITE7000
*       LOAD FILE LEM6.NOMINAL
*       MAXLINES 250000
```

```
*       SIMULATE AGC
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.COMMON.ENVCNTRL

MAC PROGRAM ALIASES IN EFFECT:

FOR	USED
COMMON.LVCBLK2	COMMON.NOPROG
COMMON.CSMBLK2	COMMON.NOPROG
COMMON.SATURN	COMMON.NOPROG
COMMON.ATTITUDE	COMMON.NOPROG
COMMON.DISCONT	COMMON.NOPROG
COMMON.LMP1	COMMON.NOPROG
COMMON.OPTICS82	COMMON.NOPROG
COMMON.TARGET	COMMON.NOPROG
COMMON.ASTRNAUT	COMMON.CAST
COMMON.UNIVERSE	LGRAV.UNIVERSE
COMMON.RADAR	LEM.RADAR
PAPER.MOON	LUNAR.TERRAIN

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	COMMON.ENVCNTRL	ENTER MACEXIT MACABORT	08FF38+AC8	02/09/70	17:28	
2	COMMON.NOPROG		**UNRESOLVED**			
3	COMMON.CAST	ASTSTART	091568+F88	01/28/70	10:11	
4	COMMON.LEM	V1	0937A8+918	01/30/70	19:50	
5	COMMON.PRELUNCH	PLSTART	0977F0+290	04/30/69	15:11	
6	LGRAV.UNIVERSE	MP1	098520+428	08/19/69	16:11	
7	LEM.RADAR	BEGIN	099C5C+650	02/27/70	19:07	
8	COMMON.EDIT1		**UNRESOLVED**			
9	COMMON.EDIT2		**UNRESOLVED**			
10	COMMON.EDIT3		**UNRESOLVED**			
11	COMMON.EDIT4		**UNRESOLVED**			
12	COMMON.EDIT5		**UNRESOLVED**			

```
 13   LUNAR.TERRAIN      LT1        098D38+100  10/15/69  16:29

 14   COMMON.INPUTPRG    INPSTART   098BC0+268  12/16/69  14:27

 15   COMMON.IMU8LK2     ISTART     09CD18+538  03/06/70   0:03
                         ROLLINIT

NONMAC PROGRAMS COLLECTED:

  #        NAME       SIZE

  1      COMMXXXX   122032  RESIDENT
  2      LEAVEMSG      396
  3      EDITID       1544
  4      RADEFFCY     1344
  5      COUBLK2      3360  RESIDENT

COMMON AREA ALLOCATION:

  #     NAME      BASE ADDR

  1  COMM8LK      090080
  2  #TEMPAC      09D878
  3  CALLFILE     09E878
  4  MSGEDIT      09F048
  5  SWITCHES     09F820
  6  CRTFILE      09F848
  7  LEMPREL      09F890
  8  COU          09F888

  TOTAL NUMBER OF PBLKS COLLECTED:  203

DATA FILE ACTIVATED, SIZE IS LARGE


DATA FILE COLLECTION LOG

  MACDATA.JPLUNIV.EPHM697D    04/30/69   17:09
        RETRIEVED DATA FILE 8LOCK  1175 STORED AS ACTIVE FILE 8LOCK  1175
                                   1176                              1176
                                   1177                              1177
                                   1178                              1178
                                   1179                              1179
                                   1180                              1180
                                   1181                              1181
                                   1182                              1182
                                   1183                              1183
                                   1184                              1184
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                                        1185                                1185
                                        1186                                1186
                                        1187                                1187
                                        1188                                1188
                                        1189                                1189
                                        1190                                1190
                                        1191                                1191
                                        1192                                1192
                                        1193                                1193
                                        1194                                1194
                                        1195                                1195
                                        1196                                1196
                                        1197                                1197

 MACDATA.APOLLO12.SITE7000   10/15/69   16:28
        RETRIEVED DATA FILE BLOCK  1132 STORED AS ACTIVE FILE BLOCK  1132
                                   1133                              1133
                                   1134                              1134

 MACDATA.LEM6.NOMINAL        10/31/69   17:18
        RETRIEVED DATA FILE BLOCK  1156 STORED AS ACTIVE FILE BLOCK  1156
                                   1157                              1157
                                   1158                              1158
                                   1159                              1159
                                   1160                              1160


 33 MAC PROGRAM BLOCKS WERE LOADED.

 SPACE WAS ALLOCATED FOR   3 DATA BLOCKS.

 THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS: 135128  (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   7161.82 SECONDS
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ENVIRONMENT BEGAN INITIALIZATION AT 15499.0191 SEC. REAL TIME

```
A G C  SIMULATION
COMMUNICATOR AS2
SIMULATOR 801
        SLAP1          START   397133.42                                          022447                                    1
                       PLOT    ACTIVITY                                                                        0256         1
                       PLOT    OUTYCYCLE                                                                       0257         1
                       ONPRINT CLOCK                                                                                        1
                       TELEM   2                                                                                            1
                       TEMPCHK                                                                                              1
                       BACKGRNO12345                                                   12345                                1
                       SNAP    50                                                                                           1
                       RESUMENA                                                                                             1
                       RPTLOCK 25                                                                                           1
        AOVAN          AOVAN                                   CONOITIONAL         013215                          0258     3
        NEWJOB         EQ      77777
        VERB6S         STOP                                                        116037                          0259     3
        COUZ           OCT     0                                                   000034   00000                  0260     2
        FLAGWR03       OCT     10000                                               000077   10000                  0261     2
        FLAGWR08       OCT     06000                                               000104   06000                  0262     2
        FLGWR010       OCT     00000                                               000106   00000                  0263     2
        TIME2          20 +  39713342          T          +3.97133420 E+ 5         000024   04567  35076           0264     2
        TETLEM         20 +  39713342          T          +3.97133420 E+ 5         001642   04567  35076           0265     2
        TETCSM         20 +  39713342          T          +3.97133420 F+ 5         001570   04567  35076           0266     2
        MASS           20 +1.51130501 E+ 48-16 M          +1.51130501 E+ 4         001243   07302  10315           0267     2
        RCVLEM         20 -1.72582729 E+ 68-27 -          -1.72582729 F+ 6         001660   77455  52370           0268     2
        RCVLEM    +2   20 +5.65244882 E+ 48-27 R          +5.65244882 E+ 4         001662   00006  34631           0269     2
        RCVLEM    +4   20 -3.00754712 E+ 58-27  LCON       -3.00754712 E+ 5         001664   77733  51132           0270     2
        VCVLEM         20 -1.03123604 E+ 08-05 -          -1.03123604 E+ 2         001666   76760  40164           0271     2
        VCVLEM    +2   20 +1.41191234 E+ 18-05 V          +1.41191234 F+ 3         001670   16074  37560           0272     2
        VCVLEM    +4   20 +9.30284331 E+ 08-05  LCON       +9.30284331 E+ 2         001672   11233  01622           0273     2
        RRECTLEM       20 -1.72582729 E+ 68-27 -          -1.72582729 E+ 6         001626   77455  52370           0274     2
        RRECTLEM  +2   20 +5.65244882 E+ 48-27 R          +5.65244882 E+ 4         001630   00006  34631           0275     2
        RRECTLEM  +4   20 -3.00754712 E+ 58-27  LO         -3.00754712 E+ 5         001632   77733  51132           0276     2
        VRECTLEM       20 -1.03123604 E+ 08-05 -          -1.03123604 E+ 2         001634   76760  40164           0277     2
        VRECTLEM  +2   20 +1.41191234 E+ 18-05 V          +1.41191234 F+ 3         001636   16074  37560           0278     2
        VRECTLEM  +4   20 +9.30284331 E+ 08-05  LO         +9.30284331 F+ 2         001640   11233  01622           0279     2
        RCVCSM         20 -1.79576991 E+ 68-27 -          -1.79576991 E+ 6         001606   77444  71213           0280     2
        RCVCSM    +2   20 -1.08274375 E+ 58-27 R          -1.08274375 E+ 5         001610   77762  71032           0281     2
        RCVCSM    +4   20 -4.25431176 E+ 58-27  CCON       -4.25431176 E+ 5         001612   77714  42121           0282     2
        VCVCSM         20 -2.78473672 E+ 08-05 -          -2.78473672 F+ 2         001614   75156  46676           0283     2
        VCVCSM    +2   20 +1.35509760 E+ 18-05 V          +1.35509760 E+ 3         001616   15432  03142           0284     2
        VCVCSM    +4   20 +8.57613765 E+ 08-05  CCON       +8.57613765 E+ 2         001620   10446  37341           0285     2
        RRECTCSM       20 -1.79576991 E+ 68-27 -          -1.79576991 E+ 6         001554   77444  71213           0286     2
        RRECTCSM  +2   20 -1.08274375 E+ 58-27 R          -1.08274375 E+ 5         001556   77762  71032           0287     2
        RRECTCSM  +4   20 -4.25431176 E+ 58-27  CO         -4.25431176 E+ 5         001560   77714  42121           0288     2
        VRECTCSM       20 -2.78473672 E+ 08-05 -          -2.78473672 E+ 2         001562   75156  46676           0289     2
        VRECTCSM  +2   20 +1.35509760 E+ 18-05 V          +1.35509760 E+ 3         001564   15432  03142           0290     2
        VRECTCSM  +4   20 +8.57613765 E+ 08-05  CO         +8.57613765 E+ 2         001566   10446  37341           0291     2
        REFSMMAT       20 -.43999356B          -          -8.79987137 E- 1         001733   61727  44515           0292     2
        REFSMMAT  +2   20 +.227808272          REFSMMAT   +4.55616545 E- 1         001735   07224  15111           0293     2
        REFSMMAT  +4   20 +.067149464                0    +1.34298929 E- 1         001737   02114  05521           0294     2
        REFSMMAT  +6   20 -.080240757          -          -1.60481514 E- 1         001741   75335  52567           0295     2
WARNINGREFSMMAT  +10   20 -.275644903          REFSMMAT   -5.51289807 E- 1         001743   67133  72536           0296     2
WARNINGREFSMMAT  +12   20 +.409366960                3    +8.18733920 E- 1         001745   15063  02137           0297     2
WARNINGREFSMMAT  +14   20 +.223533175          -          +4.47066350 F- 1         001747   07116  13606           0298     2
WARNINGREFSMMAT  +16   20 +.349461411          REFSMMAT   +6.98922822 E- 1         001751   13135  22331           0299     2
WARNINGREFSMMAT  +20   20 +.279122986                6    +5.58245972 E- 1         001753   10735  04652           0300     2
```

TEPHEM		10 + 4	T (EPOCH	+1.18093199 E+ 7	001706	00004		0301		2
TEPHEM	+1	20 + 107190176	0 SECS U.T.)		001707	14616	13640	0302		2
504LM		20 -.000274669	-	-2.74669079 E- 4	002012	77773	57774	0303		2
504LM	+2	20 -.000482105	L	-4.82105126 E- 4	002014	77770	43171	0304		2
504LM	+4	20 -.000267661	LIBRATION	-2.67661267 E- 4	002016	77773	63525	0305		2
AZO		20EC .7746616521			001711	30624	01636	0306		2
-AYO		20EC -.0000395943			001713	77777	53172	0307		2
AXO		20EC .0000421325			001715	00000	26056	0308		2
RLS		20 +1.59050443 E+ 68-27 -		+1.59050443 E+ 6	002022	00302	04721	0309		2
RLS	+2	20 -6.89700251 E+ 58-27 R		-6.89700251 E+ 5	002024	77653	71666	0310		2
RLS	+4	20 -8.91099838 E+ 48-27 LS		-8.91099838 E+ 4	002026	77765	43723	0311		2
TLANO		20 + 39815815	TLANO	+3.98158151 E+ 5	002400	04576	05207	0312		2
P8IASX		OCT 05503		2.2 CM/SEC	001452	05503		0313		2
P8IASY		OCT 72274		-2.2 CM/SEC	001454	72274		0314		2
P8IASZ		OCT 01217		0.5 CM/SEC	001456	01217		0315		2
PIPASCFX		OCT 10142		5///MILLION	001453	10142		0316		2
PIPASCFY		OCT 67635		-500 /MILLION	001455	67635		0317		2
PIPASCFZ		OCT 37746		1950 /MILLION	001457	37746		0318		2
N80X		OCT 02371		10 MERU	001460	02371		0319		2
N80Y		OCT 75406		-10 MERU	001461	75406		0320		2
N80Z		OCT 12737		44 MERU	001462	12737		0321		2
ADIAX		OCT 00606		15 MERU/G	001463	00606		0322		2
ADIAY		OCT 01212		30 MERU/G	001464	01212		0323		2
ADIAZ		OCT 13126		220 MERU/G	001465	13126		0324		2
AOSRAX		OCT 00606		15 MERU/G	001466	00606		0325		2
AOSRAY		OCT 13126		220MERU/G	001467	13126		0326		2
ADSRAZ		OCT 77171		-15 MERU/G	001470	77171		0327		2
GCOMPSW		OEC 0			001477	00000		0328		2
GCOMP	+0	2DEC 0			001471	00000	00000	0329		2
GCOMP	+2	2OEC 0			001473	00000	00000	0330		2
GCOMP	+4	2OEC 0			001475	00000	00000	0331		2
WRENOPOS		OCT 05750			002000	05750		0332		2
WRENOVEL		OCT 00763			002001	00763		0333		2
WSURFPOS		OCT 02764			002006	02764		0334		2
WSURFVEL		OCT 00372			002007	00372		0335		2
WSHAFT		OCT 17270			002002	17270		0336		2
WTRUN		OCT 17270			002003	17270		0337		2
RMAX		OCT 00023			002004	00023		0338		2
VMAX		OCT 00001			002005	00001		0339		2
SHAFTVAR		OEC E-6 812			002010	00103		0340		2
TRUNVAR		OEC E-6 812			002011	00103		0341		2
RVARMIN		OEC 66.0 8-12			001774	00410		0342		2
VVARMIN		OEC .17445 E-5 812			001775	00165		0343		2
RANGEVAR		2OEC* .11111111 E-4 812*			001770	01351	24734	0344		2
RATEVAR		2OEC* 1.877777 E-5 812*			001772	02354	04750	0345		2
X789		2OEC 0			001700	00000	00000	0346		2
X789	+2	2DEC 0			001702	00000	00000	0347		2
X789	+4	2OEC 0			001704	00000	00000	0348		2
E3J22R2M		OCT 12160			001347	12160		0349		2
E32C31RM		OCT 03363			001350	03363		0350		2
ATIGINC		2OEC 18000			003400	00001	03120	0351		2
PTIGINC		2DEC 18000			003402	00001	03120	0352		2
AGSK		OCT 03671			002020	03671		0353		2
AGSK	+1	OCT 21200			002021	21200		0354		2
TNEWA		CCT 00000			003431	00000		0355		2
TNEWA	+1	OCT 17500			003432	17500		0356		2
ZOOMTIME		OEC 2600			003422	05050		0357		2

ROLLTIME		OCT	05556				003001	05556		0358		2
PITTIME		OCT	04431				003002	04431		0359		2
POSTORKP		20EC	0				003113	00000	00000	0360		2
POSTORKU		20EC	0				003115	00000	00000	0361		2
POSTORKV		20EC	0				003117	00000	00000	0362		2
THETCRIT		OCT	00546				002560	00546		0363		2
THETCRIT	+1	OCT		05411			002561	05411		0364		2
RAMIN		OCT	03325				002562	03325		0365		2
RAMIN	+1	OCT		16761			002563	16761		0366		2
J1PARM		OCT	07007				002550	07007		0367		2
J1PARM	+1	OCT		10721			002551	10721		0368		2
K1PARM		OCT	73311				002552	73311		0369		2
K1PARM	+1	OCT		47334			002553	47334		0370		2
J2PARM		OCT	07141				002554	07141		0371		2
J2PARM	+1	OCT		12264			002555	12264		0372		2
K2PARM		OCT	73473				002556	73473		0373		2
K2PARM	+1	OCT		41017			002557	41017		0374		2
ABTROOT		OCT	00007				002566	00007		0375		2
ABTROOT	+1	OCT		23346			002567	23346		0376		2
YLIM		OCT	00016				002564	00016		0377		2
YLIM	+1	OCT		32446			002565	32446		0378		2
COSTHET1	+ 0	20	0.00000000	E+008-02	0.000000000+000		002570	00000	00000	0379		2
COSTHET2	+ 0	20	8.66C25403	E-018-02	8.660254037-001		002572	06733	07535	0380		2
IGNAOSC		OCT	02162				003012	02162		0381		2
IGNAOSR		OCT	00163				003013	00163		0382		2
AOTAZ		OCT	65252				003404	65252		0383		2
AOTAZ +1		OCT	00000				003405	00000		0384		2
AOTAZ +2		OCT	12525				003406	12525		0385		2
AOTAZ +3		OCT	25252				003407	25252		0386		2
AOTAZ +4		OCT	40000				003410	40000		0387		2
AOTAZ +5		OCT	52525				003411	52525		0388		2
AOTEL		OCT	10000				003412	10000		0389		2
AOTEL +1		OCT	10000				003413	10000		0390		2
AOTEL +2		OCT	10000				003414	10000		0391		2
AOTEL +3		OCT	10000				003415	10000		0392		2
AOTEL +4		OCT	10000				003416	10000		0393		2
AOTEL +5		OCT	10000				003417	10000		0394		2
LRALPHA	+ 0	1D	1.66666666	E-028+01	6.000000000+000	DEG	002522	01042		0395		2
LRBETA1	+ 0	1D	6.66666667	E-028+01	2.400000000+001	DEG	002523	04211		0396		2
LRALPHA2	+ 0	1D	1.66666666	E-028+01	6.000000000+000	DEG	002524	01042		0397		2
LRBETA2	+ 0	1D	0.00000000	E+008+01	0.000000000+000	DEG	002525	00000		0398		2
LRWH	+ 0	1D	3.50000000	E-018+00	3.500000000-001		003421	13146		0399		2
LRHMAX	+ 0	1D	1.52400000	E+048-14	5.000000000+004	FT	003420	35610		0400		2
LRVMAX	+ 0	1D	6.09600000	E+008-07	2.000000000+003	FT/SEC	002526	01414		0401		2
LRVF	+ 0	1D	6.09600000	E-018-07	2.000000000+002	FT/SEC	002527	00116		0402		2
LRWVZ	+ 0	1D	3.00000000	E-018+00	3.000000000-001		002530	11463		0403		2
LRWVY	+ 0	1D	3.00000000	E-018+00	3.000000000-001		002531	11463		0404		2
LRWVX	+ 0	1D	3.00000000	E-018+00	3.000000000-001		002532	11463		0405		2
LRWVFZ	+ 0	1D	2.00000000	E-018+00	2.000000000-001		002533	06315		0406		2
LRWVFY	+ 0	1D	2.00000000	E-018+00	2.000000000-001		002534	06315		0407		2
LRWVFX	+ 0	1D	2.00000000	E-018+00	2.000000000-001		002535	06315		0408		2
LRWVFF	+ 0	1D	1.00000000	E-018+00	1.000000000-001		002536	03146		0409		2
RPCRTIME		OEC	6200 8-17				003427	01407		0410		2
RPCRTQSW		OEC	-.5				003430	57777		0411		2
OELQFIX		OCT	00000				002520	00000		0412		2
OELQFIX	+1	OCT		01717			002521	01717		0413		2
RAOSKAL		20EC	0				001351	00000	00000	0414		2

SKALSKAL		0EC	0				001353	00000		0415		2
OLANO	+ 0	20	0.00000000 E+00B-24	0.000000000+000	FT		002634	00000	00000	0416		2
OLANO	+ 2	20	0.00000000 E+00B-24	0.000000000+000	FT		002636	00000	00000	0417		2
OLANO	+ 4	20	0.00000000 E+00B-24	0.000000000+000	FT		002640	00000	00000	0418		2
VIGN		OCT	00416				002472	00416		0419		2
VIGN	+1	OCT	26714				002473	26714		0420		2
RIGNX		OCT	77731				002474	77731		0421		2
RIGNX	+1	OCT	44630				002475	44630		0422		2
RIGNZ		OCT	77127				002476	77127		0423		2
RIGNZ	+1	OCT	55622				002477	55622		0424		2
KIGNX/B4		OCT	76607				002500	76607		0425		2
KIGNX/B4	+1	OCT	61356				002501	61356		0426		2
KIGNY/BB		OCT	72634				002502	72634		0427		2
KIGNY/BB	+1	OCT	51602				002503	51602		0428		2
KIGNV/B4		OCT	72775				002504	72775		0429		2
KIGNV/B4	+1	OCT	57777				002505	57777		0430		2
RBRFG		OCT	77777				002402	77777		0431		2
RBRFG	+1	OCT	41001				002403	41001		0432		2
RBRFG	+2	20EC	0				002404	00000	00000	0433		2
RBRFG	+4	OCT	77773				002406	77773		0434		2
RBRFG	+5	OCT	74320				002407	74320		0435		2
VBRFG		OCT	77766				002410	77766		0436		2
VBRFG	+1	OCT	62640				002411	62640		0437		2
VBRFG	+2	20EC	0				002412	00000	00000	0438		2
VBRFG	+4	OCT	77774				002414	77774		0439		2
VBRFG	+5	OCT	64173				002415	64173		0440		2
ABRFG		OCT	77774				002416	77774		0441		2
ABRFG	+1	OCT	64147				002417	64147		0442		2
ABRFG	+2	20EC	0				002420	00000	00000	0443		2
ABRFG	+4	OCT	77664				002422	77664		0444		2
ABRFG	+5	OCT	45446				002423	45446		0445		2
VBRFG*		OCT	77770				002424	77770		0446		2
VBRFG*	+1	OCT	55426				002425	55426		0447		2
ABRFG*		OCT	77071				002426	77071		0448		2
ABRFG*	+1	OCT	41354				002427	41354		0449		2
JBRFG*		OCT	77544				002430	77544		0450		2
JBRFG*	+1	OCT	53646				002431	53646		0451		2
GAINBRAK		OCT	37777				002432	37777		0452		2
TCGFBRAK		OCT	01015				002434	01015		0453		2
TCGIBRAK		OCT	00001				002435	00001		0454		2
RAPFG		OCT	00000				002436	00000		0455		2
RAPFG	+1	OCT	00624				002437	00624		0456		2
RAPFG	+2	20EC	0				002440	00000	00000	0457		2
RAPFG	+4	OCT	77777				002442	77777		0458		2
RAPFG	+5	OCT	77635				002443	77635		0459		2
VAPFG		OCT	77777				002444	77777		0460		2
VAPFG	+1	OCT	77400				002445	77400		0461		2
VAPFG	+2	20EC	0				002446	00000	00000	0462		2
VAPFG	+4	OCT	00000				002450	00000		0463		2
VAPFG	+5	OCT	00372				002451	00372		0464		2
AAPFG		OCT	00002				002452	00002		0465		2
AAPFG	+1	OCT	14522				002453	14522		0466		2
AAPFG	+2	20EC	0				002454	00000	00000	0467		2
AAPFG	+4	OCT	77774				002456	77774		0468		2
AAPFG	+5	OCT	71233				002457	71233		0469		2
VAPFG*		OCT	00000				002460	00000		0470		2
VAPFG*	+1	OCT	01062				002461	01062		0471		2

AAPFG*		OCT	77754				002462	77754		0472	2
AAPFG*	+1	OCT		67646			002463	67646		0473	2
JAPFG*		OCT	00612				002464	00612		0474	2
JAPFG*	+1	OCT		30716			002465	30716		0475	2
GAINAPPR		OCT	00000				002466	00000		0476	2
TCGFAPPR		OCT	00113				002470	00113		0477	2
TCGIAPPR		OCT	06231				002471	06231		0478	2
TENOBRAK		OEC	6200 B-17				003423	01407		0479	2
TENCAPPR		OEC	1200 B-17				003424	00226		0480	2
OELTTFAP		OEC	-6900 B-17				003425	76240		0481	2
LEAOTIME		OEC	-220 B-17				003426	77743		0482	2
LOWCRIT		OEC	2124				002506	04114		0483	2
HIGHCRIT		OEC	2347				002507	04453		0484	2
TAUVERT		20EC	1000 B-14				002516	01750	00000	0485	2
V2FG		20EC	-.009144 B-10				002510	77777	73242	0486	2
V2FG	+2	20EC	0				002512	00000	00000	0487	2
V2FG	+4	20EC	0				002514	00000	00000	0488	2
ROOSCALE	+ 0	10	3.04800000 E-03B+07	1.000000000+000	FT/SEC		002537	14370		0489	2
TAUROO	+ 0	20	1.50000000 E+02B-09	1.500000000+000	SEC		002540	11300	00000	0490	2
LAG/TAU	+ 0	20	4.13333000 E-01B+00	4.133330000-001			002542	15154	01420	0491	2
MINFORCE		OCT	00001				002544	00001		0492	2
MINFORCE	+1	OCT		27631			002545	27631		0493	2
MAXFORCE		OCT	00013				002546	00013		0494	2
MAXFORCE	+1	OCT		06551			002547	06551		0495	2
READACCS		ENVSUM	2				107437			0496	3
PREREAD		ENVSUM	2				107410			0497	3
TCCSM		20EC	0				001622	00000	00000	0498	2
NUVCSM		20EC	0				001600	00000	00000	0499	2
NUVCSM	+2	20EC	0				001602	00000	00000	0500	2
NUVCSM	+4	20EC	0				001604	00000	00000	0501	2
XKEPCSM		20EC	0				001624	00000	00000	0502	2
OELTACSM		20EC	0				001572	00000	00000	0503	2
OELTACSM	+2	20EC	0				001574	00000	00000	0504	2
DELTACSM	+4	20EC	0				001576	00000	00000	0505	2
TCLEM		20EC	0				001674	00000	00000	0506	2
NUVLEM		20EC	0				001652	00000	00000	0507	2
NUVLEM	+2	20EC	0				001654	00000	00000	0508	2
NUVLEM	+4	20EC	0				001656	00000	00000	0509	2
XKEPLEM		20EC	0				001676	00000	00000	0510	2
OELTALEM		20EC	0				001644	00000	00000	0511	2
OELTALEM	+2	20EC	0				001646	00000	00000	0512	2
DELTALEM	+4	20EC	0				001650	00000	00000	0513	2
-AZ		CLOCK					032357			0514	3
+AZ		CLOCK					032364			0515	3
-EL		CLOCK					032371			0516	3
+EL		CLOCK					032376			0517	3
PREREAD		CFOUMP				2.1	107410			0518	3
READACCS		CFOUMP				2.1	107437			0519	3
SERVOUT		OUMP	A	E7,1777		2.2	076400	00000	03777	0520	3
IGNITION		CFOUMP				2.3	104432			0521	3
IGNITION	+1	OUMP	REFSMMAT	REFSMMAT +170		2.4	104433	01733	01754	0522	3
EXGSUB		OUMP	A	E7,1777		3.1	073310	00000	03777	0523	3
GOUMP1		OUMP	A	E7,1777		3.1	073432	00000	03777	0524	3
WHATEXIT	-1	OUMP	MOOREG			3.2	072366	01010		0525	3
WHATEXIT		OUMP	MOOREG			3.3	072367	01010		0526	3
WHATEXIT	+1	OUMP	MOOREG			3.6	072370	01010		0527	3
AFTRGUID	+2	OUMP	MOOREG			3.9	072365	01010		0528	3

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ENOLLJCB        OUMP    A               E7,1777         4.1             073442  00000   03777   0529            3
THOUMP          OUMP    A               E7,1777         5.1             072315  00000   03777   0530            3
AFOUMP          OUMP    A               L               5.2             072151  00000   00001   0531            3
REAOACCS        CFOUMP                                  6.1             107437                  0532            3
REAOACCS +1     DUMP    E6,1400         E6,1777         6.2             107440  03000   03377   0533            3
PIPASR          OUMP                                    10.1            107536  OUMP NOTHING    0534            3
WARNING4000     OUMP                                    10.2            004000  DUMP NOTHING    0535            3
TTFINCR         DUMP    OLANO           OLANO  +5       10.5            072603  02634   02641   0536            3
-AZ             OUMP                                    10.6            032357  OUMP NOTHING    0537            3
+AZ             DUMP                                    10.7            032364  OUMP NOTHING    0538            3
-EL             OUMP                                    10.8            032371  OUMP NOTHING    0539            3
+EL             OUMP                                    10.9            032376  OUMP NOTHING    0540            3
SLAP1           ENVMOOE 0                                               022447                  0541            3
CHKFAIL1        MSG     2                                               005603                  0542            3
*****************************************************************************
*****************************************************************************
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0543            3
AGC ALARMEO - 00220 - IMU NOT ALIGNEO - THERE IS NO REFSMMAT
L               EQ      00220
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0544            3
AGC ALARMEO - 00401 - OESIREO GIMBAL ANGLE YIELOS GIMBAL-LOCK
L               EQ      00401
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0545            3
AGC ALARMEO - 00402 - FINOCOUW NOT CONTROLLING ATTITUOE
L               EQ      00402
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0546            3
AGC ALARMEO - 00404 - TWO STARS NOT AVAILABLE IN ANY OETENT
L               EQ      00404
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0547            3
AGC ALARMEO - 00405 - TWO STARS NOT AVAILABLE
L               EQ      00405
CHKFAIL1        MSG     1                               CONDITIONAL     005603                  0548            3
AGC ALARMEO - 00511 -
L               EQ      00511
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0549            3
AGC ALARMEO - 00520 - RAOAR RUPT NOT EXPECTEO AT THIS TIME
L               EQ      00520
CHKFAIL1        MSG     1                               CONDITIONAL     005603                  0550            3
AGC ALARMEO - 00523 - LANOING RAOAR ANTENNA OIO NOT ACHIEVE POSITION TWO
L               EQ      00523
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0551            3
AGC ALARMEO - 00555 - MAXIMUM GUIOANCE PERIOO EXCEEOEO
L               EQ      00555
CHKFAIL1        MSG     1                               CUNOITIONAL     005603                  0552            3
AGC ALARMEO - 31201 - EXECUTIVE OVERFLOW - NO VAC AREAS
L               EQ      31201
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0553            3
AGC ALARMEO - 31202 - EXECUTIVE OVERFLOW - NO CORE SETS
L               EQ      31202
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0554            3
AGC ALARMEO - 31210 - TWO PROGRAMS USING OEVICE AT SAME TIME
L               EQ      31210
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0555            3
AGC ALARMEO - 01301 - ARCSIN OR ARCCOS CALLEO WITH TOO LARGE AN ARGUMENT
L               EQ      01301
CHKFAIL1        MSG     1                               CONOITIONAL     005603                  0556            3
AGC ALARMEO - 01302 - SQRT CALLEO WITH A NEGATIVE ARGUMENT
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L               EQ      01302
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0557            3
AGC ALARMED - 01406 - ROCTPSRS FAILING TO CONVERGE ON TIME-TO-GO
L               EQ      01406
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0558            3
AGC ALARMED - 01407 - VG INCREASING
L               EQ      01407
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0559            3
AGC ALARMED - 01410 - UNPLANNED OVERFLOW IN ASCENT OR DESCENT GUIDANCE
L               EQ      01410
CHKFAIL1        MSG     1                                   CONDITIGNAL     005603                  0560            3
AGC ALARMED - 01412 - LANDING IGNITION ALGORITHM IS NOT CONVERGING
L               EQ      01412
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0561            3
AGC ALARMED - 01466 - THROTTLE SERVICING INSUFFICIENT IN P66
L               EQ      01466
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0562            3
AGC ALARMED - 01703 - MIDTOAVE MUST SLIP IGNITION
L               EQ      01703
CHKFAIL1        MSG     1                                   CONDITIONAL     005603                  0563            3
AGC ALARMED - 32000 - DAP STILL IN PROGRESS AT NEXT T5RUPT
L               EQ      32000
CHKFAIL1        MSG     2                                   005603                  0564            3
*****************************************************************
*****************************************************************
LUNLAND         CLOCK                                       072410                  0565            3
STARTP64        CLOCK                                       072566                  0566            3
READACCS        CLOCK                                       107437                  0567            3
PIPSOONE        CLOCK                                       107447                  0568            3
SERVICER        CLOCK                                       076206                  0569            3
DISPEXIT        CLOCK                                       073437                  0570            3
ROGIMS          CLOCK                                       101632                  0571            3
VELUPDAT        CLOCK                                       077257                  0572            3
VUPDATED        CLOCK                                       077455                  0573            3
POSUPDAT        CLOCK                                       077127                  0574            3
RUPDATED        CLOCK                                       077251                  0575            3
SETPOS2         CLOCK                                       077721                  0576            3
SLAP1           CFDUMP                              1.3     022447                  0577            3
SLAP1           DUMP    32          END-E7          1.4     022447  00032   03777   0578            3
R60INIT +2      DUMP    32          END-E7          1.5     075201  00032   03777   0579            3
READACCS +1     CFDUMP                              1.1     107440                  0580            3
ENDLLJOB        DUMP    A           E7,1777         1.2     073442  00000   03777   0581            3
RDGIMS    +3    DUMP    LRVTIME     PIPTIME1 +1             101635  02252   03561   0582            3
```

```
*******************        START OF SPECIAL REQUESTS FOR ROLLBACK   397883     ****************************
            TLOSS   .02                                                                                          1
397970.000  STOP                                                                          0583                     3
*******************        END  OF SPECIAL REQUESTS FOR ROLLBACK   397883     ****************************
```

BACKGROUND = 12345

START SIMULATION.

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	OPPX	OGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	OPPY	OGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	OGZ	MASS	APS	
397883.2	1733803 -	51.9	1.46 -	3.5 -	3.02 -	0.21	0.70 -	0.47	0.04 -	0.43	303 -	1	6032	582.7	2.04
110:31:23 -	227	1.5	0.02	556.0	336.86	150.83	61.11	61.10	0.69 -	0.00	3 -	3	5132	4076	-932.12
LANDING -	8307	165.2 -	2.60 -	172.8	9423	1.17	0.47	0.70	0.14	0.32 -	519	5	19851	5187	

107437	CLOCK REQUEST @ READACCS	T1=17450	SECONDS RUNNING	397883.281125	1712
107447	CLOCK REQUEST @ PIPSDONE	T1=17450	SECONDS RUNNING	397883.282333	1609
076206	CLOCK REQUEST @ SERVICER	T1=17451	SECONDS RUNNING	397883.292205	0767
077127	CLOCK REQUEST @ POSUPDAT	T1=17510	SECONDS RUNNING	397883.608036	3816
077251	CLOCK REQUEST @ RUPDATED	T1=17523	SECONDS RUNNING	397883.710478	5074
077257	CLOCK REQUEST @ VELUPDAT	T1=17523	SECONDS RUNNING	397883.711107	5021
077455	CLOCK REQUEST @ VUPDATED	T1=17536	SECONDS RUNNING	397883.827817	5061
DISPLAYS =	63 06 63 +05841 -01710 +09804				397884.000008
101632	CLOCK REQUEST @ RDGIMS	T1=17560	SECONDS RUNNING	397884.001071	0277
072410	CLOCK REQUEST @ LUNLAND	T1=17561	SECONDS RUNNING	397884.017164	8904
073437	CLOCK REQUEST @ DISPEXIT	T1=17665	SECONDS RUNNING	397884.692013	1317
DISPLAYS =	63 06 63 +05681 -01716 +09452				397885.000000

397885.2	1738699 -	52.2	1.46 -	3.3 -	3.02 -	0.21	359.79 -	0.48	0.00 -	0.43	292	0	6072	582.7	1.99
110:31:25 -	222	1.6 -	0.02	539.0	336.85	151.14	61.41	61.41 -	0.33	0.54	0 -	2	5151	4036	-932.40
LANDING -	7979	160.0 -	2.63 -	173.8	9078	0.29	0.48 -	0.20 -	0.47 -	0.10 -	519	5	19812	5187	

107437	CLOCK REQUEST @ READACCS	T1=17760	SECONDS RUNNING	397885.281076	1050
107447	CLOCK REQUEST @ PIPSDONE	T1=17760	SECONDS RUNNING	397885.282284	0947
076206	CLOCK REQUEST @ SERVICER	T1=17761	SECONDS RUNNING	397885.290863	0215
077127	CLOCK REQUEST @ POSUPDAT	T1=20021	SECONDS RUNNING	397885.612255	2789
077251	CLOCK REQUEST @ RUPDATED	T1=20033	SECONDS RUNNING	397885.711707	4303
077257	CLOCK REQUEST @ VELUPDAT	T1=20033	SECONDS RUNNING	397885.712335	4249
077455	CLOCK REQUEST @ VUPDATED	T1=20047	SECONDS RUNNING	397885.831656	4067
101632	CLOCK REQUEST @ RDGIMS	T1=20071	SECONDS RUNNING	397886.011109	8754

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072410    CLCCK REQUEST @ LUNLANO                          T1=20071        SECONDS RUNNING     397886.017126        8240

073437    CLOCK REQUEST @ DISPEXIT                         T1=20174        SECONDS RUNNING     397886.689454        0868

DISPLAYS =    63    06    63          +05521  -01728  +09100                                                   397887.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME        R         V         A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  DPPX  DGX  THRUST  PCS   APOLU
          (STABLE MEMBER COORDS)       FORVEL    LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING        METRIC UNITS          ALTRATE     ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS  APS
397887.2  1738594 -  52.5   1.50 -   3.5 -  3.01 -  0.22  358.85 -  0.50   0.01 - 0.43   297 -  1   6120  582.6    1.94
110:31:27 -    218     1.5 - 0.07   521.8  336.84  150.53   60.77   60.77 - 0.02   0.21 -  10 -  3   5169   3996 -932.68
 LANDING -    7666   154.8 - 2.65 - 174.7   8724 -  0.64    0.50 -  1.14 - 0.08 - 0.98 - 526    5  19771   5187

107437    CLOCK REQUEST @ READACCS                         T1=20270        SECONDS RUNNING     397887.281085        0383

107447    CLCCK REQUEST @ PIPSDONE                         T1=20270        SECONDS RUNNING     397887.282317        0277

076206    CLOCK REQUEST @ SERVICER                         T1=20271        SECONDS RUNNING     397887.291110        9527

077127    CLOCK REQUEST @ POSUPDAT                         T1=20331        SECONDS RUNNING     397887.615941        1808

077251    CLCCK REQUEST @ RUPDATED                         T1=20342        SECONDS RUNNING     397887.709255        3845

077257    CLOCK REQUEST @ VELUPDAT                         T1=20342        SECONDS RUNNING     397887.709884        3792

077455    CLOCK REQUEST @ VUPDATED                         T1=20357        SECONDS RUNNING     397887.834015        3199

101632    CLOCK REQUEST @ ROGIMS                           T1=20401        SECONDS RUNNING     397888.013842        7854

072410    CLOCK REQUEST @ LUNLAND                          T1=20403        SECONDS RUNNING     397888.031132        6379

073437    CLCCK REQUEST @ DISPEXIT                         T1=20504        SECONDS RUNNING     397888.684095        0659

DISPLAYS =    63    06    63          +05361  -01727  +08745                                                   397889.000000

397889.2  1738489 -  52.8   1.49 -   3.1 -  3.01 -  0.17  359.50 -  0.43   0.00 - 0.43   302 -  1   6112  582.6    1.88
110:31:29 -    214     1.4 - 0.03   504.5  335.83  150.74   60.98   60.98 - 0.39   0.76 -  12 -  2   5188   3956 -932.95
 LANDING -    7358   149.5 - 2.64 - 175.4   8364 -  0.00    0.44 -  0.49   0.05 - 0.65 - 526    5  19731   5187

107437    CLOCK REQUEST @ READACCS                         T1=20600        SECONDS RUNNING     397889.281062        9718

107447    CLCCK REQUEST @ PIPSDONE                         T1=20600        SECONDS RUNNING     397889.282270        9615

076206    CLOCK REQUEST @ SERVICER                         T1=20601        SECONDS RUNNING     397889.291544        8823

077127    CLOCK REQUEST @ POSUPDAT                         T1=20641        SECONDS RUNNING     397889.613649        1337

077251    CLOCK REQUEST @ RUPDATED                         T1=20652        SECONDS RUNNING     397889.709584        3151

077257    CLOCK REQUEST @ VELUPDAT                         T1=20653        SECONDS RUNNING     397889.710213        3097
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    077455     CLOCK REQUEST @ VUPDATEO                          T1=20667        SECONDS RUNNING     397889.833475        2579

DISPLAYS =     63    06    63          +05361  -01737  +08745                                                        397890.000010

    101632     CLOCK REQUEST @ ROGIMS                            T1=20711        SECONDS RUNNING     397890.013201        7242

    072410     CLOCK REQUEST @ LUNLAND                           T1=20713        SECONDS RUNNING     397890.030490        5767

    073437     CLOCK REQUEST @ DISPEXIT                          T1=21014        SECONDS RUNNING     397890.688705        9599

DISPLAYS =     63    06    63          +05200  -01744  +08388                                                        397891.000000

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V        A    LATVEL    LAT     YAW   BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)   FORVEL   LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  OGY  DELTAV  OPS   PERILU
 LANDING     METRIC UNITS          ALTRATE   ALT    ROLL   BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ   MASS   APS

 397891.2  1738383 -  53.0   1.52 -   2.4 -  3.01 -  0.10   0.35 -  0.38 - 0.01 - 0.43   306 -  1   6128  582.6    1.83
110:31:31 -    215     1.4   0.01    487.2  336.82  150.05   60.29   60.28 - 0.70   0.54 -   5 -  3   5207  3916 -933.21
 LANDING -    7066   144.2 - 2.63 - 176.0    8003    0.86    0.38    0.35 - 0.24 - 0.00 - 526    6  19691   5187

    107437     CLOCK REQUEST @ READACCS                          T1=21110        SECONDS RUNNING     397891.281064        9051

    107447     CLOCK REQUEST @ PIPSOONE                          T1=21110        SECONDS RUNNING     397891.282273        8948

    076206     CLOCK REQUEST @ SERVICER                          T1=21111        SECONDS RUNNING     397891.290204        8271

    077127     CLOCK REQUEST @ POSUPDAT                          T1=21151        SECONDS RUNNING     397891.614421        0605

    077251     CLOCK REQUEST @ RUPDATEO                          T1=21162        SECONDS RUNNING     397891.708677        2561

    077257     CLOCK REQUEST @ VELUPDAT                          T1=21162        SECONDS RUNNING     397891.709305        2508

    077455     CLOCK REQUEST @ VUPDATEO                          T1=21177        SECONDS RUNNING     397891.834553        1820

    072410     CLOCK REQUEST @ LUNLAND                           T1=21221        SECONDS RUNNING     397892.018272        6143

    101632     CLOCK REQUEST @ ROGIMS                            T1=21223        SECONDS RUNNING     397892.031080        5050

    073437     CLOCK REQUEST @ DISPEXIT                          T1=21337        SECONDS RUNNING     397892.795850        9789

DISPLAYS =     63    06    63          +05200  -01740  +08028                                                        397893.000000

 397893.2  1738277 -  53.2   1.55 -   1.9 -  3.01 -  0.04   0.42 -  0.35 - 0.03 - 0.43   314    0   6135  582.6    1.77
110:31:33 -    210     1.5   0.01    470.0  336.81  149.53   59.76   59.76 - 0.32   0.21 -   1 -  3   5226  3875 -933.46
 LANDING -    6785   139.0 - 2.62 - 176.4    7641    0.96    0.35    0.41 - 0.69 - 0.00 - 526    5  19650   5187

    107437     CLOCK REQUEST @ READACCS                          T1=21420        SECONDS RUNNING     397893.281064        8384

    107447     CLOCK REQUEST @ PIPSOONE                          T1=21420        SECONDS RUNNING     397893.282273        8281

    076206     CLOCK REQUEST @ SERVICER                          T1=21421        SECONDS RUNNING     397893.290204        7604
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        L/R ANTENNA POSITION CHANGE INITIATED AT T = 397893.626

        RANGE    DATA GOOD BIT CHANGED TO  0 AT T = 397893.62
        VELOCITY DATA GOOD BIT CHANGED TO  0 AT T = 397893.62

    072410     CLOCK REQUEST @ LUNLAND                          T1=21504        SECONDS RUNNING     397893.803768        3780

    072566     CLOCK REQUEST @ STARTP64                         T1=21504        SECONDS RUNNING     397893.807563        3456

DISPLAYS =     64    06    63          +05040  -01750  +08028                                                        397894.000021

    073437     CLOCK REQUEST @ DISPEXIT                         T1=21625        SECONDS RUNNING     397894.615248        4534

DISPLAYS =     64    06    64  FLASH   +99X75  -01754  +07678                                                        397895.000000

        T =  397895.212.  ASTRONAUT SEES DESIRED DISPLAYS.
MODE 64     VERB  6     NOUN 64     FLASH 1                                        CK FAIL 0   PGM ALM 0   RFL DSPLY 0
UPLINK 0                                        R1 +99075    R2 - 1754  R3 + 7678

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V        A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)   FORVEL     LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  DGY  DELTAV  OPS   PERILU
  LANDING      METRIC UNITS       ALTRATE      ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  DGZ    MASS  APS
 397895.2  1738170 -  53.3   1.80 -   1.7 -  3.00 -  0.01  359.85 -  0.34 - 0.00 - 0.21   321 -  1   6164  582.4    1.71
110:31:35 -    206     1.5 - 0.00   452.9  336.80  149.41   59.63   59.63 - 1.21  26.69 -    3 -  2   5244   3835 -933.69
  LANDING -   6509   133.7 - 2.27 - 176.5    7279    0.41    0.33 -  0.14 - 0.22 - 0.21 - 521    5  19610   5187

    107437     CLOCK REQUEST @ READACCS                         T1=21730        SECONDS RUNNING     397895.281063        7718

    107447     CLOCK REQUEST @ PIPSOONE                         T1=21730        SECONDS RUNNING     397895.282272        7615

    076206     CLOCK REQUEST @ SERVICER                         T1=21731        SECONDS RUNNING     397895.291485        6828

    072410     CLOCK REQUEST @ LUNLAND                          T1=22012        SECONDS RUNNING     397895.781777        4990

        ASTRONAUT PERFORMS ACTION 6000660136 AT TIME  397896.2126


        ASTRONAUT KEYSTROKE     PROCEED

    073437     CLOCK REQUEST @ DISPEXIT                         T1=22132        SECONDS RUNNING     397896.592055        6700

DISPLAYS =     64    06    64  FLASH   +99XXX  -01755  +07327                                                        397897.000000

 397897.2  1738064 -  52.6   2.12 -   2.3 -  3.00    0.03    0.45 -  0.43   0.08 - 0.32   393 -  1   6200  580.5    1.64
110:31:37 -    204     1.5   0.02   438.4  336.79  134.20   44.42   44.42 -10.62  15.93 -    5 -  3   5261   3794 -933.89
  LANDING -   6250   129.3 - 2.11 - 174.3    6920    0.93    0.43    0.46   0.67 - 0.00 - 442    5  19567   5187

    107437     CLOCK REQUEST @ READACCS                         T1=22240        SECONDS RUNNING     397897.281076        7050
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    107447     CLCCK REQUEST @ PIPSOONE                          T1=22240        SECONDS RUNNING     397897.282299        6946

    076206     CLCCK REQUEST @ SERVICER                          T1=22240        SECONDS RUNNING     397897.288953        6378

    072410     CLCCK REQUEST @ LUNLAND                           T1=22322        SECONDS RUNNING     397897.786890        3897

DISPLAYS =     64    06    64   FLASH   +99X75  -01755  +07327                                                        397898.000003

    073437     CLCCK REQUEST @ DISPEXIT                          T1=22446        SECONDS RUNNING     397898.629313        2000

DISPLAYS =     64    06    64           +99X60  -01733  +06979                                                        397899.000000

                              UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R          V          A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)  FORVEL     LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  OGY   DELTAV  OPS   PERILU
 LANDING      METRIC UNITS        ALTRATE     ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ    MASS   APS

 397899.2  1737960 -  50.9   2.74 -   0.1 -  3.00    0.44    1.00 -  0.15   0.08 - 0.00   498 -  1   6431  579.0    1.56
110:31:39 -    203     1.5 - 0.10   425.3  336.78  120.21   30.42  30.42 - 2.35   1.64 -    3 -  2   5277   3753 -934.06
  LANDING -   5996   125.3 - 1.81 - 168.6    6568    1.35    0.15   0.99 - 0.17   0.43 -  402    5  19524   51R7

    107437     CLCCK REQUEST @ READACCS                          T1=22550        SECONDS RUNNING     397899.281068        6384

    107447     CLOCK REQUEST @ PIPSOONE                          T1=22550        SECONDS RUNNING     397899.282280        6281

    076206     CLCCK REQUEST @ SERVICER                          T1=22550        SECONDS RUNNING     397899.288873        5718

    072410     CLOCK REQUEST @ LUNLAND                           T1=22626        SECONDS RUNNING     397899.744865        6807

    073437     CLOCK REQUEST @ DISPEXIT                          T1=22756        SECONDS RUNNING     397900.629966        127R

DISPLAYS =     64    06    64           +99X46  -01676  +06679                                                        397901.000000

 397901.2  1737860 -  48.6   2.64     2.2 -  3.00    0.79    0.78   0.14   0.12   0.10   558    0   6013  578.5    1.46
110:31:41 -    205     1.5 - 0.13   414.9  336.78  119.03   29.23  29.22 - 0.06   0.76     2 -  2   5290   3711 -934.19
  LANDING -   5751   122.1 - 1.23 - 161.0    6245    1.15  359.85   0.78   0.46   0.10 - 317    5  19482   5187

    107437     CLOCK REQUEST @ READACCS                          T1=23060        SECONDS RUNNING     397901.281499        5681

    107447     CLOCK REQUEST @ PIPSOONE                          T1=23060        SECONDS RUNNING     397901.282731        5575

    076206     CLCCK REQUEST @ SERVICER                          T1=23061        SECONDS RUNNING     397901.290813        4R86

    072410     CLCCK REQUEST @ LUNLAND                           T1=23142        SECONDS RUNNING     397901.783655        2830

DISPLAYS =     64    06    64           +99X46  -01676  +06638                                                        397902.000002

    073437     CLCCK REQUEST @ DISPEXIT                          T1=23267        SECONDS RUNNING     397902.636202        0079

DISPLAYS =     64    06    64           +99X45  -01600  +06310                                                        397903.000000
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397903.2  1737765 -  46.6   2.60    3.3 -  3.00   0.97   0.64   0.28 - 0.02   0.21   533 -  1   5880  578.1    1.38
110:31:43 -    202    1.6 - 0.13  405.6  336.77 117.84  28.03  28.02  0.67 - 0.32     0 -  1   5302  3672 -934.30
  LANDING -   5508  119.3 - 1.58 - 154.2    5948   1.01 359.70   0.63   0.62   0.10 - 284    4  19442  5187

   107437    CLOCK REQUEST @ READACCS                          T1=23370      SECONDS RUNNING     397903.281085      5049

   107447    CLOCK REQUEST @ PIPSDONE                          T1=23370      SECONDS RUNNING     397903.282318      4944

   076206    CLOCK REQUEST @ SERVICER                          T1=23370      SECONDS RUNNING     397903.289027      4372

   072410    CLOCK REQUEST @ LUNLAND                           T1=23452      SECONDS RUNNING     397903.788758      1728

   073437    CLOCK REQUEST @ DISPEXIT                          T1=23577      SECONDS RUNNING     397904.638401      9225

DISPLAYS =     64    06    64          +99X43  -01532  +06397                                                    397905.000000

      L/R ANTENNA POSITION CHANGE COMPLETED AT T = 397905.281

                                UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V        A   LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)   FORVEL     LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING      METRIC UNITS       ALTRATE     ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

397905.2  1737674 -  44.6   2.60    2.4 -  2.99   0.86   0.15   0.15   0.01   0.10   528 -  1   5863  577.7    1.30
110:31:45 -    199    1.6   0.00  396.5  336.76 118.46  28.64  28.64  1.08 - 0.21 -   3 -  2   5314  3633 -934.41
  LANDING -   5276  116.5 - 1.40 - 147.6    5664   0.54 359.84   0.15   0.61 - 0.10 - 278    4  19403  5187

   107437    CLOCK REQUEST @ READACCS                          T1=23700      SECONDS RUNNING     397905.281105      4381

   107447    CLOCK REQUEST @ PIPSDONE                          T1=23700      SECONDS RUNNING     397905.282314      4278

   076206    CLOCK REQUEST @ SERVICER                          T1=23700      SECONDS RUNNING     397905.288894      3716

   072410    CLOCK REQUEST @ LUNLAND                           T1=23763      SECONDS RUNNING     397905.791554      0823

DISPLAYS =     64    06    64          +99X43  -01532  +05997                                                    397906.000018

   073437    CLOCK REQUEST @ DISPEXIT                          T1=24107      SECONDS RUNNING     397906.631552      9143

DISPLAYS =     64    06    64          +99X44  -01466  +05698                                                    397907.000000

397907.2  1737587 -  42.6   2.58    1.3 -  2.99   0.72 359.93   0.00   0.02 - 0.00   524 -  1   5803  577.4    1.22
110:31:47 -    197    1.6 - 0.00  387.4  336.75 118.68  28.85  28.85  0.73 - 0.32 -   5 -  1   5326  3595 -934.52
  LANDING -   5044  113.7 - 1.40 - 141.1    5392   0.33 359.99 - 0.06   0.79 - 0.32 - 278    4  19364  5187

   107437    CLOCK REQUEST @ READACCS                          T1=24210      SECONDS RUNNING     397907.281064      3718

   107447    CLOCK REQUEST @ PIPSDONE                          T1=24210      SECONDS RUNNING     397907.282274      3614

   076206    CLOCK REQUEST @ SERVICER                          T1=24210      SECONDS RUNNING     397907.289918      2962
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077721    CLOCK REQUEST @ SETPOS2                          T1=24253     SECONDS RUNNING     397907.636644      3375

072410    CLOCK REQUEST @ LUNLAND                          T1=24311     SECONDS RUNNING     397907.931559      8209

073437    CLOCK REQUEST @ DISPEXIT                         T1=24441     SECONDS RUNNING     397908.813648      2937

DISPLAYS =    64    06    64          +99X44  -01461  +05698                                                397909.000000

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME      R        V       A    LATVEL    LAT    YAW  BALL-R   COUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)  FORVEL   LONG  PITCH  BALL-P   COUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING     METRIC UNITS        ALTRATE    ALT   ROLL  BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
397909.2  1737503 -  40.7   2.56    0.4 -  2.99   0.60   0.07 -  0.14   0.00 - 0.10   519 -  1   5737  577.1    1.15
110:31:49 -   189    1.6 - 0.00  378.3  336.75 118.51  28.67   28.67   0.78 - 0.87 -   3 -  1   5339  3557 -934.62
 LANDING -   4818  110.9 - 1.38 - 134.8   5133   0.48   0.13    0.06   0.62 - 0.10 - 278    3  19326  5187

107437    CLOCK REQUEST @ READACCS                         T1=24520     SECONDS RUNNING     397909.281063      3051

107447    CLOCK REQUEST @ PIPSDONE                         T1=24520     SECONDS RUNNING     397909.282272      2948

076206    CLOCK REQUEST @ SERVICER                         T1=24521     SECONDS RUNNING     397909.290202      2271

101632    CLOCK REQUEST @ ROGIMS                           T1=24604     SECONDS RUNNING     397909.801071      8677

072410    CLOCK REQUEST @ LUNLAND                          T1=24605     SECONDS RUNNING     397909.814125      7563

DISPLAYS =    64    06    64          +99X44  -01401  +05411                                                397910.000010

073437    CLOCK REQUEST @ DISPEXIT                         T1=24735     SECONDS RUNNING     397910.696841      2238

DISPLAYS =    64    06    64          +99X43  -01331  +05137                                                397911.000000

397911.2  1737423 -  38.9   2.53 -  0.2 -  2.99   0.50   0.16 -  0.27 - 0.04 - 0.21   514 -  1   5663  576.8    1.09
110:31:51 -   186    1.6 - 0.00  369.2  336.74 118.94  29.09   29.09   0.90 - 0.76 -   3 -  1   5351  3519 -934.73
 LANDING -   4598  108.1 - 1.39 - 128.7   4885   0.60   0.27    0.16   0.18 - 0.00 - 277    4  19288  5187

107437    CLOCK REQUEST @ READACCS                         T1=25030     SECONDS RUNNING     397911.281080      2383

     VELOCITY DATA GOOD BIT CHANGED TO  1 AT T = 397911.28
     RANGE    DATA GOOD BIT CHANGED TO  1 AT T = 397911.28

107447    CLOCK REQUEST @ PIPSDONE                         T1=25030     SECONDS RUNNING     397911.282289      2280

076206    CLOCK REQUEST @ SERVICER                         T1=25031     SECONDS RUNNING     397911.294050      1276

101632    CLOCK REQUEST @ ROGIMS                           T1=25113     SECONDS RUNNING     397911.791150      8857

072410    CLOCK REQUEST @ LUNLAND                          T1=25114     SECONDS RUNNING     397911.806319      7563

DISPLAYS =    64    06    64          +99X43  -01338  +05137                                                397912.000039
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    073437     CLOCK REQUEST @ DISPEXIT                                T1=25246        SECONDS RUNNING      397912.703934        0966

DISPLAYS =     64    06    64          +99X43  -01337  +04875                                                          397913.000000

                                   UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V       A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
           (STABLE MEMBER COORDS)   FORVEL    LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  DGY  DELTAV  DPS   PERILU
  LANDING          METRIC UNITS     ALTRATE    ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ   MASS   APS
 397913.2  1737347 -  37.2   2.49 -   0.8 -  2.99    0.41  359.91 -  0.37 - 0.04 - 0.32   504 -  1   5574  576.6    1.02
110:31:53 -     183    1.6 - 0.01    360.2  336.73  119.45   29.60   29.59 - 0.04 - 0.43 -   5 -  2   5363  3482 -934.82
  LANDING -    4388  105.4 - 1.39 - 122.9    4650    0.36    0.36 -  0.08 - 0.55 - 0.00 - 275    4  19251  5187

    107437     CLOCK REQUEST @ READACCS                                T1=25340        SECONDS RUNNING      397913.281083        1716

    107447     CLOCK REQUEST @ PIPSOONE                                T1=25340        SECONDS RUNNING      397913.282315        1611

    076206     CLOCK REQUEST @ SERVICER                                T1=25341        SECONDS RUNNING      397913.291776        0804

    101632     CLOCK REQUEST @ ROGIMS                                  T1=25423        SECONDS RUNNING      397913.792727        8056

    072410     CLOCK REQUEST @ LUNLAND                                 T1=25425        SECONDS RUNNING      397913.811425        6460

DISPLAYS =     64    06    64          +99X44  -01277  +04875                                                          397914.000000

    073437     CLOCK REQUEST @ DISPEXIT                                T1=25555        SECONDS RUNNING      397914.697291        0866

DISPLAYS =     64    06    64          +99X44  -01219  +04626                                                          397915.000000

 397915.2  1737274 -  35.5   2.45 -   0.4 -  2.98    0.48    0.25 -  0.32 - 0.01 - 0.21   495 -  1   5521  576.6    0.96
110:31:55 -     180    1.6   0.00    351.0  336.72  120.14   30.29   30.28 - 0.03 - 0.00 -   2 -  1   5375  3445 -934.92
  LANDING -    4179  102.6 - 1.40 - 117.4    4411    0.73    0.32    0.25 - 0.06   0.10 - 281    4  19214  5187

    107437     CLOCK REQUEST @ READACCS                                T1=25650        SECONDS RUNNING      397915.281468        1016

    107447     CLOCK REQUEST @ PIPSOONE                                T1=25650        SECONDS RUNNING      397915.282676        0913

    076206     CLOCK REQUEST @ SERVICER                                T1=25651        SECONDS RUNNING      397915.290595        0238

    101632     CLOCK REQUEST @ ROGIMS                                  T1=25732        SECONDS RUNNING      397915.781065        8384

    072410     CLOCK REQUEST @ LUNLAND                                 T1=25733        SECONDS RUNNING      397915.796263        7087

    073437     CLOCK REQUEST @ DISPEXIT                                T1=26065        SECONDS RUNNING      397916.692616        0599

DISPLAYS =     64    06    64          +99X45  -01169  +04388                                                          397917.000000

 397917.2  1737205 -  33.9   2.40 -   0.2 -  2.98    0.53    0.24 -  0.30 - 0.00 - 0.32   488    0   5427  576.5    0.90
110:31:57 -     177    1.7   0.01    341.8  336.72  120.19   30.33   30.33 - 0.56 - 0.00 -   3 -  1   5387  3409 -935.02
  LANDING -    3975   99.8 - 1.38 - 112.1    4166    0.73    0.30    0.24 - 0.32   0.21 - 278    4  19178  5187
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107437	CLOCK REQUEST @ READACCS	T1=26160	SECONDS RUNNING	397917.281108	0381
107447	CLOCK REQUEST @ PIPSDONE	T1=26160	SECONDS RUNNING	397917.282316	0277
076206	CLOCK REQUEST @ SERVICER	T1=26161	SECONDS RUNNING	397917.295203	9178
077127	CLOCK REQUEST @ POSUPDAT	T1=26221	SECONDS RUNNING	397917.614426	1937
077251	CLOCK REQUEST @ RUPDATED	T1=26233	SECONDS RUNNING	397917.717904	3107
077257	CLOCK REQUEST @ VELUPDAT	T1=26233	SECONDS RUNNING	397917.718532	3054
077455	CLOCK REQUEST @ VUPDATED	T1=26247	SECONDS RUNNING	397917.837770	2879

DISPLAYS = 64 06 64 +99X45 -01164 +04388 397918.000004

072410	CLOCK REQUEST @ LUNLAND	T1=26273	SECONDS RUNNING	397918.031945	6309
101632	CLOCK REQUEST @ RCGIMS	T1=26274	SECONDS RUNNING	397918.041071	5530
073437	CLOCK REQUEST @ DISPEXIT	T1=26424	SECONDS RUNNING	397918.925251	0080

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	COUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397919.2	1737139 -	32.3	2.36 -	0.1 -	2.98	0.57	0.17 -	0.30	0.03 -	0.32	485 -	1	5380	576.5	0.85
110:31:59 -	175	1.7	0.00	332.7	336.71	120.25	30.38	30.38 -	0.01 -	0.00 -	4 -	1	5399	3373	-935.11
LANDING -	3777	97.0	- 1.36 -	106.9	3931	0.69	0.29	0.17	0.24 -	0.00 -	277	4	19142	5187	

107437	CLOCK REQUEST @ READACCS	T1=26470	SECONDS RUNNING	397919.281062	9718
107447	CLOCK REQUEST @ PIPSDONE	T1=26470	SECONDS RUNNING	397919.282269	9615
076206	CLOCK REQUEST @ SERVICER	T1=26471	SECONDS RUNNING	397919.292021	8783
077127	CLOCK REQUEST @ POSUPDAT	T1=26531	SECONDS RUNNING	397919.616478	1096
077251	CLOCK REQUEST @ RUPDATED	T1=26543	SECONDS RUNNING	397919.718305	2406
077257	CLOCK REQUEST @ VELUPDAT	T1=26543	SECONDS RUNNING	397919.718932	2353
077455	CLOCK REQUEST @ VUPDATED	T1=26560	SECONDS RUNNING	397919.842303	1825

DISPLAYS = 64 06 64 +99X44 -01111 +04158 397920.000000

072410	CLOCK REQUEST @ LUNLAND	T1=26603	SECONDS RUNNING	397920.035947	5301
101632	CLOCK REQUEST @ RCGIMS	T1=26604	SECONDS RUNNING	397920.041077	4863
073437	CLOCK REQUEST @ DISPEXIT	T1=26733	SECONDS RUNNING	397920.919042	9944

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397921.2  1737075 -  30.8   2.32     0.0 -  2.98    0.61    0.23 -  0.28   0.01 - 0.32   481 -  1   5286  576.4    0.90
110:32: 1 -    172    1.7   0.00   323.8  336.70  120.56   30.68   30.68 - 0.20   0.32 -   4 -  2   5411   3338 -935.19
  LANDING -   3589   94.3 - 1.35 - 101.9    3707    0.76    0.28    0.23   0.11   0.10 - 271    4  19106   5187

    107437     CLOCK REQUEST @ READACCS                          T1=27000        SECONDS RUNNING     397921.281295        9031

    107447     CLOCK REQUEST @ PIPSDONE                          T1=27000        SECONDS RUNNING     397921.282526        8926

    076206     CLOCK REQUEST @ SERVICER                          T1=27001        SECONDS RUNNING     397921.292742        8054

    077127     CLOCK REQUEST @ POSUPDAT                          T1=27042        SECONDS RUNNING     397921.621101        0034

    077251     CLOCK REQUEST @ RUPDATED                          T1=27053        SECONDS RUNNING     397921.719885        1605

    077257     CLOCK REQUEST @ VELUPDAT                          T1=27054        SECONDS RUNNING     397921.721733        1447

    077455     CLOCK REQUEST @ VUPDATED                          T1=27073        SECONDS RUNNING     397921.871047        8706

DISPLAYS =     64   06   64          +99X44  -01059  +03934                                                397922.000022

    072410     CLOCK REQUEST @ LUNLAND                           T1=27113        SECONDS RUNNING     397922.038594        4408

    101632     CLOCK REQUEST @ ROGIMS                            T1=27115        SECONDS RUNNING     397922.053796        3111

    073437     CLOCK REQUEST @ DISPEXIT                          T1=27245        SECONDS RUNNING     397922.931802        8198

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V        A   LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)  FORVEL    LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  OGY  DELTAV  DPS   PERILU
  LANDING      METRIC UNITS        ALTRATE     ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ    MASS  APS

397923.2  1737015 -  29.4   2.32     0.2 -  2.98    0.67    0.15 -  0.27   0.02 - 0.32   473 -  1   5220  576.3    0.75
110:32: 3 -    169    1.7   0.00   315.0  336.70  119.97   30.08   30.09   0.44 - 0.21 -   1 -  1   5423   3303 -935.28
  LANDING -   3402   91.6 - 1.32 -  97.1    3493    0.70    0.26    0.15   0.46 - 0.00 - 270    4  19072   5187

    107437     CLOCK REQUEST @ READACCS                          T1=27310        SECONDS RUNNING     397923.281095        8382

    107447     CLOCK REQUEST @ PIPSDONE                          T1=27310        SECONDS RUNNING     397923.282304        8279

    076206     CLOCK REQUEST @ SERVICER                          T1=27311        SECONDS RUNNING     397923.296188        7094

    077127     CLOCK REQUEST @ POSUPDAT                          T1=27351        SECONDS RUNNING     397923.612554        0097

    077251     CLOCK REQUEST @ RUPDATED                          T1=27363        SECONDS RUNNING     397923.715343        1326

    077257     CLOCK REQUEST @ VELUPDAT                          T1=27363        SECONDS RUNNING     397923.715971        1272

    077455     CLOCK REQUEST @ VUPDATED                          T1=27377        SECONDS RUNNING     397923.834577        1151

DISPLAYS =     64   06   64          +99X44  -01010  +03715                                                397924.000008

    072410     CLOCK REQUEST @ LUNLAND                           T1=27423        SECONDS RUNNING     397924.030106        4446
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101632     CLOCK REQUEST @ RCGIMS                          T1=27424        SECONDS RUNNING      397924.041065        3531

     ASTRNAUT PERFORMS ACTION 6000650004 AT TIME  397924.3627


     ASTRNAUT PERFORMS ACTION 6000650003 AT TIME  397924.3627


     ASTRNAUT PERFORMS ACTION 6000650003 AT TIME  397924.6627


032364     CLOCK REQUEST @ +AZ                             T1=27525        SECONDS RUNNING      397924.692330        7956

073437     CLOCK REQUEST @ DISPEXIT                        T1=27556        SECONDS RUNNING      397924.941461        6697

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V        A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS    APOLU
          (STABLE MEMBER COORDS)    FORVEL     LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  OPS    PERILU
 LANDING     METRIC UNITS          ALTRATE      ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS  APS
397925.2 1736958 - 28.0   2.32     0.5 - 2.97   0.74   0.19 -  0.24   0.01 - 0.32   469 -  1   5158  576.3   0.70
110:32: 5 -  162    1.7   0.00   306.3  336.69 119.95  30.06   30.06   0.42 - 0.10   3 -  1   5434  3268 -935.36
 LANDING -  3221   88.9 - 1.32 -  92.5    3289   0.76   0.23    0.18 - 0.17   0.32 - 264   3  19037  5187

107437     CLOCK REQUEST @ READACCS                        T1=27620        SECONDS RUNNING      397925.281288        7699

107447     CLOCK REQUEST @ PIPSDONE                        T1=27620        SECONDS RUNNING      397925.282496        7595

076206     CLOCK REQUEST @ SERVICER                        T1=27621        SECONDS RUNNING      397925.294814        6544

077127     CLOCK REQUEST @ POSUPDAT                        T1=27661        SECONDS RUNNING      397925.614427        9271

077251     CLOCK REQUEST @ RUPDATED                        T1=27674        SECONDS RUNNING      397925.722179        0076

077257     CLOCK REQUEST @ VELUPDAT                        T1=27674        SECONDS RUNNING      397925.722807        0022

077455     CLOCK REQUEST @ VUPDATED                        T1=27707        SECONDS RUNNING      397925.839936        0023

DISPLAYS =    64    06    64          +99X44  -00962  +03506                                                397926.000000

072410     CLOCK REQUEST @ LUNLAND                         T1=27733        SECONDS RUNNING      397926.034466        3427

101632     CLOCK REQUEST @ RCGIMS                          T1=27735        SECONDS RUNNING      397926.051066        2011

073437     CLOCK REQUEST @ DISPEXIT                        T1=30064        SECONDS RUNNING      397926.927866        7191

397927.2 1736903 - 26.7   2.31     0.5 - 2.97   0.76 359.73 -  0.26 - 0.44   4.50   463 -  1   5105  576.1   0.66
110:32: 7 -  159    1.7   0.24   297.7  336.69 120.18  30.29   30.28 - 0.39 - 0.00   2 -  1   5446  3234 -935.43
 LANDING -  3044   86.3 - 1.10 -  88.0    3094   0.33   0.25 -  0.27 - 0.15 - 2.30 - 262   4  19003  5187
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    1D7437    CLCCK REQUEST @ READACCS                          T1=3013D        SECONDS RUNNING     397927.282D35        6968
    1D7447    CLCCK REQUEST @ PIPSOONE                          T1=3D13D        SECONDS RUNNING     397927.283267        6863
    C762C6    CLCCK REQUEST @ SERVICER                          T1=30131        SECONDS RUNNING     397927.296907        5699
        ASTRNAUT BEGINS SUBPRDGRAM    72 AT TIME =  397927.3627
    D77127    CLDCK REQUEST @ POSUPDAT                          T1=30171        SECONDS RUNNING     397927.619066        8208
    D77251    CLDCK REQUEST @ RUPDATED                          T1=302D4        SECONDS RUNNING     397927.727159        8984
    D77257    CLDCK REQUEST @ VELUPDAT                          T1=3D2D4        SECONDS RUNNING     397927.7278D2        8929
    077455    CLCCK REQUEST @ VUPDATED                          T1=3D223        SECONDS RUNNING     397927.875646        6313
DISPLAYS =    64    D6    64          +99X43  -DD916  +D33D3                                                        397928.0D00D9
    07241D    CLDCK REQUEST @ LUNLAND                           T1=3D244        SECONDS RUNNING     397928.D43143        2D2D
    1D1632    CLDCK REQUEST @ RDGIMS                            T1=3D245        SECONDS RUNNING     397928.D53547        1132
    D73437    CLDCK REQUEST @ DISPEXIT                          T1=3D375        SECONDS RUNNING     397928.935727        5853

                          UNLESS DTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V       A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  OGX  THRUST  RCS   APOLU
            (STABLE MEMBER CDDRDS)  FDRVEL    LDNG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS         ALTRATE     ALT    RDLL  BALL-Y   CDUZ   PRATE  ATT-Z  DPPZ  DGZ   MASS   APS
 397929.2  1736851 -  25.4   2.25 -  19.4 -  2.97 -  3.18   2.22 -  4.35 - 2.27   0.98   457    0   5D52  575.5   0.62
11D:32: 9 -    156    1.9   D.11    288.4  336.68  120.23   30.3D   3D.37 - C.81   D.32    13 -  1   5459  32D1 -935.51
  LANDING -   2873   83.7 - 1.3D -   83.8    29D9    2.90    4.33    2.21   1.19 - D.54 - 263    4  18969  5187

    1D7437    CLCCK REQUEST @ READACCS                          T1=3D44D        SECONDS RUNNING     397929.281137        6378
    107447    CLDCK REQUEST @ PIPSDDNE                          T1=3D440        SECONDS RUNNING     397929.28235D        6275
    C762C6    CLCCK REQUEST @ SERVICER                          T1=3D441        SECONDS RUNNING     397929.291384        55D4
    D77127    CLDCK REQUEST @ POSUPDAT                          T1=3D5D1        SECONDS RUNNING     397929.614851        79D1
    D77251    CLDCK REQUEST @ RUPDATED                          T1=30513        SECONDS RUNNING     397929.71754D        9138
    D77257    CLDCK REQUEST @ VELUPDAT                          T1=3D513        SECONDS RUNNING     397929.718181        9D84
    D77455    CLCCK REQUEST @ VUPDATED                          T1=3D533        SECONDS RUNNING     397929.876268        5594
DISPLAYS =    64    06    64          +99X43  -DD872  +D311D                                                        39793D.DDDDD1
    101632    CLDCK REQUEST @ RDGIMS                            T1=3D555        SECONDS RUNNING     39793D.051D72        D677
    D72410    CLDCK REQUEST @ LUNLAND                           T1=30557        SECONDS RUNNING     39793D.072852        8818
    D73437    CLDCK REQUEST @ DISPEXIT                          T1=3D7D6        SECONDS RUNNING     39793D.943869        4492
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UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	CDUX	PRATE	ATT-X	DPPX	DGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	CDUY	QRATE	ATT-Y	DPPY	DGY	DELTAV	DPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	CDUZ	RRATE	ATT-Z	DPPZ	DGZ	MASS	APS	
397931.2	1736801 -	24.1	2.21 -	24.2 -	2.97 -	4.27	2.79 -	5.53	0.07 -	0.54	454 -	1	4998	574.7	0.58
110:32:11 -	153	2.0	0.11	279.4	336.68	120.49	30.51	30.65 -	0.50	0.65	6 -	2	5469	3168	-935.58
LANDING -	2713	81.0 -	1.28 -	79.7	2763	3.52	5.52	2.77 -	0.22	0.32 -	261	4	18935	5187	

107437	CLOCK REQUEST @ READACCS	T1=30750	SECONDS RUNNING	397931.281103	5714
107447	CLOCK REQUEST @ PIPSDONE	T1=30750	SECONDS RUNNING	397931.282311	5611
076206	CLOCK REQUEST @ SERVICER	T1=30751	SECONDS RUNNING	397931.295159	4515
077127	CLOCK REQUEST @ POSUPDAT	T1=31011	SECONDS RUNNING	397931.613052	7388
077251	CLOCK REQUEST @ RUPDATED	T1=31023	SECONDS RUNNING	397931.719838	8276
077257	CLOCK REQUEST @ VELUPDAT	T1=31024	SECONDS RUNNING	397931.721687	8118
077455	CLOCK REQUEST @ VUPDATED	T1=31037	SECONDS RUNNING	397931.838080	8186
DISPLAYS =	64 06 64 +99X43 -00830 +02929				397932.000020
072410	CLOCK REQUEST @ LUNLAND	T1=31063	SECONDS RUNNING	397932.033357	1522
101632	CLOCK REQUEST @ RDGIMS	T1=31064	SECONDS RUNNING	397932.041079	0863
073437	CLOCK REQUEST @ DISPEXIT	T1=31214	SECONDS RUNNING	397932.924942	5440

SNAPSHOT 397933 SECONDS RUNNING 397933.000057

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME	R	V	A	LATVEL	LAT	YAW	BALL-R	COUX	PRATE	ATT-X	DPPX	OGX	THRUST	RCS	APOLU
	(STABLE MEMBER COORDS)			FORVEL	LONG	PITCH	BALL-P	COUY	ORATE	ATT-Y	DPPY	OGY	DELTAV	OPS	PERILU
LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397933.2	1736754 -	22.9	2.20 -	22.0 -	2.97 -	3.94	2.19 -	5.39 -	0.15 -	0.32	453 -	1	4928	574.7	0.55
110:32:13 -	150	2.2	0.09	271.2	336.67	119.83	29.87	29.98 -	0.13	0.10	18 -	1	5480	3135	-935.65
LANDING -	2552	78.5 -	1.25 -	75.6	2625	3.02	5.39	2.18 -	0.00 -	0.32 -	255	4	18902	5187	

107437	CLOCK REQUEST @ READACCS	T1=31260	SECONDS RUNNING	397933.291078	5050
107447	CLOCK REQUEST @ PIPSDONE	T1=31260	SECONDS RUNNING	397933.292285	4947
076206	CLOCK REQUEST @ SERVICER	T1=31261	SECONDS RUNNING	397933.294352	3917
077127	CLOCK REQUEST @ POSUPDAT	T1=31321	SECONDS RUNNING	397933.615514	6511
077251	CLOCK REQUEST @ RUPDATED	T1=31333	SECONDS RUNNING	397933.719760	7616
077257	CLOCK REQUEST @ VELUPDAT	T1=31334	SECONDS RUNNING	397933.721607	7458
077455	CLOCK REQUEST @ VUPDATED	T1=31350	SECONDS RUNNING	397933.841281	7246

DISPLAYS = 64 06 64 +99X43 -00789 +02766 397934.000028

072410	CLOCK REQUEST @ LUNLAND	T1=31373	SECONDS RUNNING	397934.036039	0626
101632	CLOCK REQUEST @ RCGIMS	T1=31375	SECONDS RUNNING	397934.053117	9169
073437	CLOCK REQUEST @ DISPEXIT	T1=31525	SECONDS RUNNING	397934.931751	4192

LANDING	METRIC UNITS			ALTRATE	ALT	ROLL	BALL-Y	COUZ	RRATE	ATT-Z	OPPZ	DGZ	MASS	APS	
397935.2	1736709 -	21.7	2.18 -	19.7 -	2.97 -	3.56	2.32 -	5.20 -	0.00 -	0.21	449 -	1	4839	574.6	0.52
110:32:15 -	141	2.4	0.10	263.1	336.67	119.74	29.79	29.90	0.75 -	0.00	16 -	1	5492	3102	-935.71
LANDING -	2397	76.0 -	1.24 -	71.6	2495	3.25	5.19	2.31	0.48 -	0.00 -	250	3	18869	5187	

107437	CLOCK REQUEST @ READACCS	T1=31570	SECONDS RUNNING	397935.281110	4380
107447	CLOCK REQUEST @ PIPSDONE	T1=31570	SECONDS RUNNING	397935.282319	4277
076206	CLOCK REQUEST @ SERVICER	T1=31571	SECONDS RUNNING	397935.296474	3069
077127	CLOCK REQUEST @ POSUPDAT	T1=31631	SECONDS RUNNING	397935.612965	6062
077251	CLOCK REQUEST @ RUPDATED	T1=31643	SECONDS RUNNING	397935.715559	7307
077257	CLOCK REQUEST @ VELUPDAT	T1=31643	SECONDS RUNNING	397935.716187	7254
077455	CLOCK REQUEST @ VUPDATED	T1=31657	SECONDS RUNNING	397935.835905	7038

DISPLAYS = 64 06 64 +99X43 -00748 +02615 397936.000035

072410	CLOCK REQUEST @ LUNLAND	T1=31703	SECONDS RUNNING	397936.038693	9733

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101632    CLOCK REQUEST @ RCGIMS                          T1=31704      SECONDS RUNNING    397936.042520        9407

073437    CLOCK REQUEST @ DISPEXIT                        T1=32035      SECONDS RUNNING    397936.937069        3072

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V        A    LATVEL    LAT     YAW   BALL-R   COUX   PRATE  ATT-X  OPPX  DGX  THRUST  PCS   APOLU
              (STABLE MEMBER COORDS)  FORVEL   LONG   PITCH  BALL-P   COUY   CRATE  ATT-Y  OPPY  DGY  DELTAV  OPS   PERILU
 LANDING      METRIC UNITS            ALTRATE   ALT    ROLL   BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

 397937.2  1736667 -  20.6   2.17 -  18.1 -  2.97 -  3.32    2.23 -  5.15   0.23 - 0.32   439 -  1   4759  574.4    0.48
110:32:17 -    138     2.6   0.09    255.2  336.66  119.36   29.42   29.52   0.36 - 0.21    15 -  1   5503   3070 -935.77
 LANDING -    2247    73.5 - 1.21 -  68.0   2371    3.25    5.15    2.21 - 0.03   0.10 - 244    4  18837   5187

107437    CLOCK REQUEST @ READACCS                        T1=32100      SECONDS RUNNING    397937.281121        3713

107447    CLOCK REQUEST @ PIPSOONE                        T1=32100      SECONDS RUNNING    397937.282329        3610

076206    CLOCK REQUEST @ SERVICER                        T1=32101      SECONDS RUNNING    397937.295247        2507

077257    CLOCK REQUEST @ VELUPDAT                        T1=32141      SECONDS RUNNING    397937.612377        5446

077455    CLOCK REQUEST @ VUPDATED                        T1=32154      SECONDS RUNNING    397937.723573        5957

101632    CLOCK REQUEST @ RCGIMS                          T1=32177      SECONDS RUNNING    397937.911082        9956

072410    CLOCK REQUEST @ LUNLAND                         T1=32177      SECONDS RUNNING    397937.917420        9415

DISPLAYS =     64    06    64          +99X42  -00709  +02477                                                397938.000004

073437    CLOCK REQUEST @ DISPEXIT                        T1=32331      SECONDS RUNNING    397938.816035        2733

DISPLAYS =     64    06    64          +99X42  -00679  +02477                                                397939.000000

 397939.2  1736627 -  19.6   2.15 -  16.8 -  2.96 -  3.15    2.19 -  5.17   0.15 - 0.32   433 -  1   4723  574.4    0.46
110:32:19 -    134     2.8   0.08    247.4  336.66  119.71   29.78   29.88 - 0.19   0.10    15 -  1   5514   3039 -935.83
 LANDING -    2102    71.1 - 1.21 -  64.6   2255    3.34    5.16    2.18 - 0.32   0.32 - 241    4  18806   5187

107437    CLOCK REQUEST @ READACCS                        T1=32410      SECONDS RUNNING    397939.281084        3049

107447    CLOCK REQUEST @ PIPSOONE                        T1=32410      SECONDS RUNNING    397939.282291        2946

076206    CLOCK REQUEST @ SERVICER                        T1=32411      SECONDS RUNNING    397939.291792        2136

077127    CLOCK REQUEST @ POSUPDAT                        T1=32450      SECONDS RUNNING    397939.605388        5375

077251    CLOCK REQUEST @ RUPDATED                        T1=32462      SECONDS RUNNING    397939.709952        6453

077257    CLOCK REQUEST @ VELUPDAT                        T1=32463      SECONDS RUNNING    397939.710580        6399

077455    CLOCK REQUEST @ VUPDATED                        T1=32476      SECONDS RUNNING    397939.829905        6217

DISPLAYS =     64    06    64          +99X42  -00672  +02339                                                397940.000005
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101632	CLOCK REQUEST @ RDGIMS	T1=32520	SECONDS RUNNING	397940.001068	1611
072410	CLOCK REQUEST @ LUNLAND	T1=32521	SECONDS RUNNING	397940.015914	0344
073437	CLOCK REQUEST @ DISPEXIT	T1=32653	SECONDS RUNNING	397940.918986	3282

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC UNITS	V	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	CDUX CDUY CDUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	OGX OGY OGZ	THRUST DELTAV MASS	RCS DPS APS	APOLU PERILU
397941.2	1736589 -	18.6	2.10 -	14.6 -	2.96 -	2.73	2.01 -	4.94 -	0.10 -	0.21	430	0	4661	574.2	0.43
110:32:21 -	124	3.0	0.08	239.7	336.65	119.92	30.00	30.09 -	1.04	0.43	12 -	1	5524	3008	-935.89
LANDING -	1962	68.7 -	1.19 -	61.2	2141	3.27	4.93	1.99 -	0.17	0.54 -	238	3	18774	5187	

107437	CLOCK REQUEST @ READACCS	T1=32720	SECONDS RUNNING	397941.281123	2379
107447	CLOCK REQUEST @ PIPSODNE	T1=32720	SECONDS RUNNING	397941.282330	2276
076206	CLOCK REQUEST @ SERVICER	T1=32721	SECONDS RUNNING	397941.291842	1465
077127	CLOCK REQUEST @ PDSUPDAT	T1=32761	SECONDS RUNNING	397941.613690	4000
077251	CLOCK REQUEST @ RUPDATED	T1=32773	SECONDS RUNNING	397941.713832	5455
077257	CLOCK REQUEST @ VELUPDAT	T1=32773	SECONDS RUNNING	397941.714473	5400
077455	CLOCK REQUEST @ VLPDATED	T1=33007	SECONDS RUNNING	397941.838845	4787

DISPLAYS = 64 06 64 +99X42 -00638 +02222 397942.000001

072410	CLOCK REQUEST @ LUNLAND	T1=33033	SECONDS RUNNING	397942.034922	8055
101632	CLOCK REQUEST @ RDGIMS	T1=33035	SECONDS RUNNING	397942.051084	6676
073437	CLOCK REQUEST @ DISPEXIT	T1=33165	SECONDS RUNNING	397942.931781	1523

397943.2	1736552 -	17.6	2.06 -	12.4 -	2.96 -	2.30	1.30 -	4.66	0.04 -	0.00	428 -	1	4615	574.0	0.40
110:32:23 -	120	3.1	0.06	231.8	336.65	120.13	30.22	30.26	0.47	0.32	8 -	1	5535	2977	-935.94
LANDING -	1827	66.3 -	1.18 -	58.0	2012	2.68	4.66	1.29	0.04	0.10 -	243	4	18743	5187	

107437	CLOCK REQUEST @ READACCS	T1=33230	SECONDS RUNNING	397943.281082	1716
107447	CLOCK REQUEST @ PIPSODNE	T1=33230	SECONDS RUNNING	397943.282312	1611
076206	CLOCK REQUEST @ SERVICER	T1=33231	SECONDS RUNNING	397943.292116	0775
077127	CLOCK REQUEST @ PDSUPDAT	T1=33271	SECONDS RUNNING	397943.612571	3429
077251	CLOCK REQUEST @ RUPDATED	T1=33303	SECONDS RUNNING	397943.719802	4279
077257	CLOCK REQUEST @ VELUPDAT	T1=33304	SECONDS RUNNING	397943.721648	4121

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077455    CLOCK REQUEST @ VUPDATED                          T1=33317      SECONDS RUNNING    397943.837201      4261
DISPLAYS =   64   06   64          +97X42  -00605  +02107                                                397944.000006
072410    CLOCK REQUEST @ LUNLAND                           T1=33343      SECONDS RUNNING    397944.031583      7673
101632    CLOCK REQUEST @ RDGIMS                            T1=33344      SECONDS RUNNING    397944.041131      6859
073437    CLOCK REQUEST @ DISPEXIT                          T1=33474      SECONDS RUNNING    397944.928399      1145

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V       A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
(STABLE MEMBER CDDRDS)  FORVEL   LONG   PITCH  BALL-P   CDUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING    METRIC UNITS         ALTRATE   ALT    RDLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

 397945.2  1736518 -  16.7   2.03 -  10.9 -  2.96 -  1.99   1.37 -  4.54   0.27 - 0.00   421 -  1   4496  573.9    0.38
110:32:25 -    115     3.2   0.05    224.1   336.64  120.07  30.17   30.22   0.62   0.54     7 -  1   5546   2947 -935.99
  LANDING -   1696    63.9 - 1.16 -  54.9    1890    2.85   4.53    1.37 - 0.12   0.43 - 237    4  18713   5187

107437    CLOCK REQUEST @ READACCS                          T1=33540      SECONDS RUNNING    397945.281083      1049
107447    CLOCK REQUEST @ PIPSDONE                          T1=33540      SECONDS RUNNING    397945.282315      0944
076206    CLOCK REQUEST @ SERVICER                          T1=33541      SECONDS RUNNING    397945.291723      0141
077127    CLOCK REQUEST @ PDSUPDAT                          T1=33602      SECONDS RUNNING    397945.623220      1854
077251    CLOCK REQUEST @ RUPDATED                          T1=33614      SECONDS RUNNING    397945.722492      3382
077257    CLOCK REQUEST @ VELUPDAT                          T1=33614      SECONDS RUNNING    397945.723119      3329
077455    CLOCK REQUEST @ VUPDATED                          T1=33633      SECONDS RUNNING    397945.874355      0424
DISPLAYS =   64   06   64          +95X43  -00572  +01992                                                397946.000006
072410    CLOCK REQUEST @ LUNLAND                           T1=33654      SECONDS RUNNING    397946.043613      5980
101632    CLOCK REQUEST @ RDGIMS                            T1=33655      SECONDS RUNNING    397946.051293      5325
073437    CLOCK REQUEST @ DISPEXIT                          T1=34005      SECONDS RUNNING    397946.934416      9965

 397947.2  1736485 -  15.8   2.06 -   9.6 -  2.96 -  1.69   0.98 -  4.44   0.08 - 0.00   412 -  1   4457  573.5    0.36
110:32:27 -    105     3.3   0.02    216.6   336.64  118.90  29.00   29.04   0.43 - 0.10     6 -  1   5556   2917 -936.04
  LANDING -   1570    61.6 - 1.13 -  52.2    1774    2.50   4.44    0.97 - 0.30   0.21 - 230    3  18683   5187

107437    CLOCK REQUEST @ READACCS                          T1=34050      SECONDS RUNNING    397947.281062      0385
107447    CLOCK REQUEST @ PIPSDONE                          T1=34050      SECONDS RUNNING    397947.282269      0282
076206    CLOCK REQUEST @ SERVICER                          T1=34051      SECONDS RUNNING    397947.291260      9514
077127    CLOCK REQUEST @ PDSUPDAT                          T1=34111      SECONDS RUNNING    397947.613466      2019
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077251    CLOCK REQUEST @ RUPOATEO                    T1=34123     SECONDS RUNNING    397947.712564     3563

077257    CLOCK REQUEST @ VELUPOAT                    T1=34123     SECONDS RUNNING    397947.713192     3509

077455    CLOCK REQUEST @ VUPOATEO                    T1=34137     SECONDS RUNNING    397947.837976     2861

DISPLAYS =    64    06    64        +93X42  -00543  +01879                                397948.000033

072410    CLOCK REQUEST @ LUNLANO                     T1=34163     SECONDS RUNNING    397948.033254     6197

101632    CLOCK REQUEST @ RDGIMS                      T1=34164     SECONDS RUNNING    397948.041079     5530

073437    CLOCK REQUEST @ DISPEXIT                    T1=34313     SECONDS RUNNING    397948.918556     0652

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V        A    LATVEL    LAT     YAW  BALL-R   COUX   PRATE  ATT-X  OPPX  OGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)   FORVEL   LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  OPPY  OGY  DELTAV  OPS   PERILU
 LANDING     METRIC UNITS          ALTRATE   ALT    ROLL   BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ   MASS   APS

397949.2  1736454 -  15.0   2.04 -   7.9 -  2.96 -  1.27   0.87 -  4.17 - 0.10   0.10   411 -  1   4420  573.5   0.34
11C:32:29 -    100    3.4   0.03   209.3  336.63  119.18  29.28   29.32 - 0.70   0.54     1 -  1   5567   2887 -936.08
  LANDING -   1450   59.3 - 1.12 -  49.5   1664    2.49   4.16    0.86 - 0.49   0.43 - 223    4  18653   5187

107437    CLOCK REQUEST @ READACCS                    T1=34360     SECONDS RUNNING    397949.281062     9718

107447    CLOCK REQUEST @ PIPSOONE                    T1=34360     SECONDS RUNNING    397949.282268     9615

076206    CLOCK REQUEST @ SERVICER                    T1=34361     SECONDS RUNNING    397949.292310     8758

077127    CLOCK REQUEST @ POSUPOAT                    T1=34421     SECONDS RUNNING    397949.610962     1566

077251    CLOCK REQUEST @ RUPOATEO                    T1=34433     SECONDS RUNNING    397949.712040     2941

077257    CLOCK REQUEST @ VELUPOAT                    T1=34433     SECONDS RUNNING    397949.712668     2887

077455    CLOCK REQUEST @ VUPOATEO                    T1=34447     SECONDS RUNNING    397949.835568     2400

DISPLAYS =    64    06    64        +91X41  -00515  +01769                                397950.000025

072410    CLOCK REQUEST @ LUNLANO                     T1=34473     SECONDS RUNNING    397950.030366     5777

101632    CLOCK REQUEST @ RDGIMS                      T1=34474     SECONDS RUNNING    397950.041095     4862

073437    CLOCK REQUEST @ DISPEXIT                    T1=34624     SECONDS RUNNING    397950.924288     9496

397951.2  1736425 -  14.2   2.01 -   6.4 -  2.96 -  0.90   0.51 -  3.96   0.09   0.21   411    0   4399  573.4   0.32
110:32:31 -     95    3.4   0.02   202.0  336.63  119.04  29.14   29.15 - 0.38   0.43     1 -  1   5577   2858 -936.13
  LANDING -   1333   57.1 - 1.10 -  46.8    1559    2.21   3.95    0.50   0.19 - 0.00 - 223    4  18624   5187

107437    CLOCK REQUEST @ READACCS                    T1=34670     SECONDS RUNNING    397951.281094     9048

107447    CLOCK REQUEST @ PIPSOONE                    T1=34670     SECONDS RUNNING    397951.282301     8945
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076206    CLOCK REQUEST @ SERVICER                    T1=34671    SECONDS RUNNING    397951.294960    7865
077127    CLOCK REQUEST @ POSUPDAT                    T1=34731    SECONDS RUNNING    397951.615935    0475
077251    CLOCK REQUEST @ RUPDATED                    T1=34744    SECONDS RUNNING    397951.722102    1416
077257    CLOCK REQUEST @ VELUPDAT                    T1=34744    SECONDS RUNNING    397951.722729    1362
077455    CLOCK REQUEST @ VUPDATED                    T1=34760    SECONDS RUNNING    397951.842469    1144
DISPLAYS =    64    D6    64        +89X41  -D0489  +01662                                          397952.000052
072410    CLOCK REQUEST @ LUNLAND                     T1=35003    SECONDS RUNNING    397952.031984    4973
101632    CLOCK REQUEST @ ROGIMS                      T1=35005    SECONDS RUNNING    397952.052604    3213
073437    CLOCK REQUEST @ DISPEXIT                    T1=35135    SECONDS RUNNING    397952.932385    8138

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R        V        A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
          (STABLE MEMBER COORDS)   FORVEL    LONG   PITCH  BALL-P   CDUY   DRATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
 LANDING      METRIC UNITS         ALTRATE    ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS

 397953.2  1736398 -  13.4   1.99 -   5.9 -  2.96 -  0.76   0.36 -  3.98   0.18   0.21   412 -  1   4325  573.3    0.30
110:32:33 -     85     3.5   0.00   194.8  336.63  118.68  28.78   28.79   0.35   0.21 -   1 -  1   5587   2829 -936.17
 LANDING -   1222    54.9 - 1.07 -  44.1    1460    2.13   3.98    0.36   0.13 - 0.00 - 220    3  18595   5187

101437    CLOCK REQUEST @ READACCS                    T1=35200    SECONDS RUNNING    397953.281081    8383
101447    CLOCK REQUEST @ PIPSDONE                    T1=35200    SECONDS RUNNING    397953.282288    8280
076206    CLOCK REQUEST @ SERVICER                    T1=35201    SECONDS RUNNING    397953.296745    7046
077127    CLOCK REQUEST @ POSUPDAT                    T1=35241    SECONDS RUNNING    397953.611833    0159
077251    CLOCK REQUEST @ RUPDATED                    T1=35253    SECONDS RUNNING    397953.714956    1359
077257    CLOCK REQUEST @ VELUPDAT                    T1=35253    SECONDS RUNNING    397953.715583    1305
077455    CLOCK REQUEST @ VUPDATED                    T1=35267    SECONDS RUNNING    397953.834719    1139
DISPLAYS =    64    D6    64        +87X41  -D0462  +01560                                          397954.000007
072410    CLOCK REQUEST @ LUNLAND                     T1=35312    SECONDS RUNNING    397954.028889    4570
101632    CLOCK REQUEST @ ROGIMS                      T1=35314    SECONDS RUNNING    397954.041095    3528
073437    CLOCK REQUEST @ DISPEXIT                    T1=35444    SECONDS RUNNING    397954.921219    8424

 397955.2  1736371 -  12.6   2.00 -   5.1 -  2.95 -  0.51   0.15 -  3.93 - 0.06   0.32   404 -  1   4245  573.3    0.28
110:32:35 -     80     3.5 - 0.00   187.7  336.62  118.17  28.26   28.26   0.32 - 0.00     0 -  1   5597   2800 -936.71
 LANDING -   1114    52.7 - 1.05 -  41.7    1367    1.98   3.92    0.15 - 0.22 - 0.00 - 214    4  18566   5187
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107437	CLOCK REQUEST @ READACCS	T1=35510	SECONDS RUNNING	397955.281153	7710
107447	CLOCK REQUEST @ PIPSDONE	T1=35510	SECONDS RUNNING	397955.282360	7607
076206	CLOCK REQUEST @ SERVICER	T1=35511	SECONDS RUNNING	397955.294186	6598
077127	CLOCK REQUEST @ POSUPDAT	T1=35551	SECONDS RUNNING	397955.615185	9206
077251	CLOCK REQUEST @ RUPDATED	T1=35564	SECONDS RUNNING	397955.723526	9961
077257	CLOCK REQUEST @ VELUPDAT	T1=35564	SECONDS RUNNING	397955.724154	9907
077455	CLOCK REQUEST @ VUPDATED	T1=35600	SECONDS RUNNING	397955.841454	9898
DISPLAYS =	64 06 64 +85X41 -00435 +01462				397956.000025
072410	CLOCK REQUEST @ LUNLAND	T1=35623	SECONDS RUNNING	397956.037523	3166
101632	CLOCK REQUEST @ RDGIMS	T1=35625	SECONDS RUNNING	397956.051120	2006
073437	CLOCK REQUEST @ DISPEXIT	T1=35755	SECONDS RUNNING	397956.936016	6495

UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

TIME LANDING	R (STABLE MEMBER COORDS) METRIC	V UNITS	A	LATVEL FORVEL ALTRATE	LAT LONG ALT	YAW PITCH ROLL	BALL-R BALL-P BALL-Y	COUX COUY COUZ	PRATE QRATE RRATE	ATT-X ATT-Y ATT-Z	OPPX OPPY OPPZ	OGX OGY OGZ	THRUST DELTAV MASS	RCS OPS APS	APOLU PERILU
397957.2	1736347 -	12.0	1.98 -	3.9 -	2.95 -	0.14	0.62 -	3.71 -	0.06	0.43	397 -	1	4211	572.9	0.26
110:32:37 -	71	3.5	0.02	180.9	336.62	117.83	27.93	27.96 -	0.62	0.10 -	5 -	1	5607	2772	-936.24
LANDING -	1012	50.6 -	1.03 -	39.4	1278	2.50	3.71	0.61 -	0.65	0.54 -	208	3	18538	5187	

107437	CLOCK REQUEST @ READACCS	T1=36020	SECONDS RUNNING	397957.281062	7051
107447	CLOCK REQUEST @ PIPSDONE	T1=36020	SECONDS RUNNING	397957.282269	6948
076206	CLOCK REQUEST @ SERVICER	T1=36021	SECONDS RUNNING	397957.291494	6161
077127	CLOCK REQUEST @ POSUPDAT	T1=36061	SECONDS RUNNING	397957.619493	8172
077251	CLOCK REQUEST @ RUPDATED	T1=36074	SECONDS RUNNING	397957.725229	9149
077257	CLOCK REQUEST @ VELUPDAT	T1=36074	SECONDS RUNNING	397957.725869	9094
077455	CLOCK REQUEST @ VUPDATED	T1=36113	SECONDS RUNNING	397957.876109	6274
DISPLAYS =	64 06 64 +83X40 -00411 +01369				397958.000009
072410	CLOCK REQUEST @ LUNLAND	T1=36134	SECONDS RUNNING	397958.042438	2080
101632	CLOCK REQUEST @ RDGIMS	T1=36135	SECONDS RUNNING	397958.053354	1149
073437	CLOCK REQUEST @ DISPEXIT	T1=36264	SECONDS RUNNING	397958.929932	6348

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397959.2  1736323 -  11.3   1.94 -   3.3 -  2.95    0.03    0.15 -  3.68    0.16    0.43   398 -  1   4195  572.9    0.25
110:32:39 -     66    3.5   0.00   174.1  336.61  118.35   28.45   28.45 -  0.07    0.65 -   2 -  1   5617   2744 -936.28
  LANDING -    913   48.5 - 1.03 -  37.2    1194    2.16    3.68    0.15 - 0.01    0.10 - 207    4  18510   5187

    107437     CLOCK REQUEST @ READACCS                          T1=36330        SECONDS RUNNING     397959.281061        6385

    107447     CLOCK REQUEST @ PIPSDONE                          T1=36330        SECONDS RUNNING     397959.292268        6282

    076206     CLOCK REQUEST @ SERVICER                          T1=36331        SECONDS RUNNING     397959.291257        5515

    077127     CLOCK REQUEST @ POSUPDAT                          T1=36371        SECONDS RUNNING     397959.610306        8289

    077251     CLOCK REQUEST @ RUPDATED                          T1=36402        SECONDS RUNNING     397959.708836        9881

    077257     CLOCK REQUEST @ VELUPDAT                          T1=36402        SECONDS RUNNING     397959.709463        9828

    077455     CLOCK REQUEST @ VUPDATED                          T1=36417        SECONDS RUNNING     397959.833950        9205

DISPLAYS =     64    06    64          +81X40  -00388  +01280                                                   397960.000027

    101632     CLOCK REQUEST @ RCGIMS                            T1=36441        SECONDS RUNNING     397960.014145        3828

    072410     CLOCK REQUEST @ LUNLAND                           T1=36443        SECONDS RUNNING     397960.031357        2359

    073437     CLOCK REQUEST @ DISPEXIT                          T1=36573        SECONDS RUNNING     397960.919914        6536

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V        A    LATVEL     LAT     YAW  BALL-R   CDUX   PRATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
           (STABLE MEMBER COORDS)   FORVEL     LONG   PITCH  BALL-P   COUY   QRATE  ATT-Y  DPPY  DGY  DELTAV  OPS   PERILU
  LANDING       METRIC UNITS        ALTRATE     ALT    ROLL  BALL-Y   CDUZ   RRATE  ATT-Z  DPPZ  DGZ    MASS  APS

397961.2  1736301 -  10.6   1.92 -   2.9 -  2.95    0.20  359.91 -  3.68    0.02    0.43   398    0   4138  572.8    0.23
110:32:41 -     56    3.5 - 0.01   167.4  336.61  118.43   28.52   28.52 - 0.23    1.09 -   5 -  1   5626   2717 -936.31
  LANDING -    819   46.5 - 1.02 -  34.9    1115    2.02    3.67 -  0.08    0.03 - 0.00 - 204    3  18482   5187

    107437     CLOCK REQUEST @ READACCS                          T1=36640        SECONDS RUNNING     397961.281088        5716

    107447     CLOCK REQUEST @ PIPSDONE                          T1=36640        SECONDS RUNNING     397961.282294        5613

    076206     CLOCK REQUEST @ SERVICER                          T1=36641        SECONDS RUNNING     397961.294618        4561

    077127     CLOCK REQUEST @ POSUPDAT                          T1=36701        SECONDS RUNNING     397961.610603        7597

    077251     CLOCK REQUEST @ RUPDATED                          T1=36713        SECONDS RUNNING     397961.717492        8476

    077257     CLOCK REQUEST @ VELUPDAT                          T1=36713        SECONDS RUNNING     397961.718120        8422

    077455     CLOCK REQUEST @ VUPDATED                          T1=36727        SECONDS RUNNING     397961.839090        8099

DISPLAYS =     64    06    64          +79X40  -00366  +01196                                                   397962.000001

    072410     CLOCK REQUEST @ LUNLAND                           T1=36753        SECONDS RUNNING     397962.034710        1407
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101632    CLOCK REQUEST @ RCGIMS                          T1=36755      SECONDS RUNNING     397962.051129      0005

073437    CLOCK REQUEST @ DISREXIT                        T1=37104      SECONDS RUNNING     397962.927737      5202

                    UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

   TIME       R       V       A    LATVEL     LAT     YAW  BALL-R   COUX   PRATE  ATT-X  ORRX  OGX  THRUST  RCS   APOLU
        (STABLE MEMBER COORDS)    FORVEL    LONG   RITCH  BALL-P   COUY   QRATE  ATT-Y  ORRY  DGY  DELTAV  OPS   PERILU
 LANDING      METRIC UNITS        ALTRATE    ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  OPPZ  OGZ    MASS  APS
397963.2  1736281 -  10.0   1.95 -   2.1 -  2.95    0.58  359.85 -  3.53 - 0.06   0.54   392 -  1   4081  572.6    0.22
110:32:43 -    52    3.5 -  0.00   160.7  336.61  116.80   26.90   26.89   0.47 - 0.21 -   4 -  1   5636   2689 -936.34
 LANDING -    728   44.4 -  0.98 -  32.9    1052    1.94    3.53 -  0.14 - 0.22 - 0.00 - 204    4  18454   5187

107437    CLOCK REQUEST @ READACCS                        T1=37150      SECONDS RUNNING     397963.281083      5049

107447    CLOCK REQUEST @ RIRSOONE                        T1=37150      SECONDS RUNNING     397963.282314      4944

C76206    CLOCK REQUEST @ SERVICER                        T1=37151      SECONDS RUNNING     397963.291720      4142

077127    CLOCK REQUEST @ ROSURDAT                        T1=37211      SECONDS RUNNING     397963.613538      6680

077251    CLOCK REQUEST @ RURCATED                        T1=37223      SECONDS RUNNING     397963.713396      8159

077257    CLOCK REQUEST @ VELUPDAT                        T1=37223      SECONDS RUNNING     397963.714024      8105

077455    CLOCK REQUEST @ VURDATED                        T1=37237      SECONDS RUNNING     397963.838877      7451

DISRLAYS =     64    06    64          +77X40  -00344  +01118                                                397964.000006

072410    CLOCK REQUEST @ LUNLAND                         T1=37262      SECONDS RUNNING     397964.029854      1154

101632    CLOCK REQUEST @ RCGIMS                          T1=37264      SECONDS RUNNING     397964.041075      0197

073437    CLOCK REQUEST @ DISREXIT                        T1=37414      SECONDS RUNNING     397964.924904      4777

397965.2  1736261 -   9.4   1.92 -   1.3 -  2.95    0.88    0.22 -  3.42   0.14   0.54   389 -  1   4031  572.5    0.21
110:32:45 -    43    3.5   0.01   154.4  336.61  117.07   27.18   27.19 - 0.63   0.65 -   4    0   5645   2662 -936.37
 LANDING -    638   42.5 -  0.97 -  30.9    1001    2.43    3.41    0.21   0.29   0.32 - 191    3  18427   5187

107437    CLOCK REQUEST @ READACCS                        T1=37460      SECONDS RUNNING     397965.281083      4383

107447    CLOCK REQUEST @ RIPSOONE                        T1=37460      SECONDS RUNNING     397965.282289      4230

C76206    CLOCK REQUEST @ SERVICER                        T1=37461      SECONDS RUNNING     397965.294270      3257

077127    CLOCK REQUEST @ ROSUPDAT                        T1=37521      SECONDS RUNNING     397965.612067      6139

077251    CLOCK REQUEST @ RURDATED                        T1=37533      SECONDS RUNNING     397965.717563      7136

077257    CLOCK REQUEST @ VELURDAT                        T1=37533      SECONDS RUNNING     397965.718190      7083

077455    CLOCK REQUEST @ VURDATED                        T1=37547      SECONDS RUNNING     397965.838379      6827
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DISPLAYS =     64    06    64          +75X38  -00324  +01047                                                    397966.000019

    072410     CLOCK REQUEST @ LUNLAND                          T1=37573        SECONDS RUNNING      397966.033511        0176

    101632     CLOCK REQUEST @ PDGIMS                           T1=37575        SECONDS RUNNING      397966.051126        8672

    073437     CLOCK REQUEST @ DISPEXIT                         T1=37726        SECONDS RUNNING      397966.943222        2547

                          UNLESS OTHERWISE INDICATED, ALL UNITS ARE IN LBS, FT, NMI, SEC, DEG

    TIME       R        V        A    LATVEL     LAT     YAW  BALL-R   COUX   PPATE  ATT-X  DPPX  DGX  THRUST  RCS   APOLU
            (STABLE MEMBER COORDS)   FORVEL     LDNG   PITCH  BALL-P   COUY   QPATE  ATT-Y  DPPY  DGY  DELTAV  DPS   PERILU
  LANDING     METRIC UNITS          ALTRATE     ALT    ROLL  BALL-Y   COUZ   RRATE  ATT-Z  DPPZ  DGZ   MASS   APS
 397967.2  1736243 -   8.8   1.89 -   1.0 -  2.95    1.07    0.02 -  3.42   0.06   0.54   387 -  1   4017  572.2    0.20
110:32:47 -     38     3.5 - 0.00    148.1  336.60  116.93   27.04   27.04 - 1.01   0.65 -  5 -  1   5654  2635 -936.39
  LANDING -    556    40.6 - 0.94 -  29.0     954    2.31    3.42    0.02   0.08   0.32 - 189    4  18400  5187

    107437     CLOCK REQUEST @ PEADACCS                         T1=37770        SECONDS RUNNING      397967.291062        3718

    107447     CLOCK REQUEST @ PIPSDONE                         T1=37770        SECONDS RUNNING      397967.282269        3615

    076206     CLOCK REQUEST @ SERVICER                         T1=37771        SECONDS RUNNING      397967.291251        2848

    077127     CLOCK REQUEST @ PCSUPDAT                         T1=00031        SECONDS RUNNING      397967.613419        5357

    077251     CLOCK REQUEST @ PUPDATED                         T1=00043        SECONDS RUNNING      397967.715449        6650

    077257     CLOCK REQUEST @ VELUPDAT                         T1=00043        SECONDS RUNNING      397967.716077        6597

    077455     CLOCK REQUEST @ VUPDATED                         T1=00057        SECONDS RUNNING      397967.838861        6119

DISPLAYS =     64    06    64          +73X39  -00304  +CC986                                                    397968.000015

    072410     CLOCK REQUEST @ LUNLAND                          T1=00103        SECONDS RUNNING      397968.038176        9111

    101632     CLOCK REQUEST @ PDGIMS                           T1=00104        SECONDS RUNNING      397968.042006        8784

    073437     CLOCK REQUEST @ DISPEXIT                         T1=00241        SECONDS RUNNING      397968.979527        8782

 397969.2  1736226 -   8.2   1.89 -   0.3 -  2.95    1.42  359.33 -  3.29 - 0.05   0.76   390 -  1   3962  572.0    0.19
110:32:49 -     29     3.5 - 0.02    141.8  336.60  116.44   26.52   26.49   0.78 - 0.00 -  6 -  1   5664  2609 -936.42
  LANDING -    478    38.7 - 0.93 -  27.1     910    1.68    3.29 -  0.67 - 0.16 - 0.10 - 193    3  18373  5187

    107437     CLOCK REQUEST @ READACCS                         T1=00300        SECONDS RUNNING      397969.281062        3051

    107447     CLOCK REQUEST @ PIPSDONE                         T1=00300        SECONDS RUNNING      397969.282269        2948

    076206     CLOCK REQUEST @ SERVICER                         T1=00301        SECONDS RUNNING      397969.291492        2161

    077127     CLOCK REQUEST @ PCSUPDAT                         T1=00341        SECONDS RUNNING      397969.613351        4696

    077251     CLOCK REQUEST @ PUPDATED                         T1=00353        SECONDS RUNNING      397969.717790        5784
```

```
    077257     CLCCK REQUEST @ VELUPDAT                    T1=00353      SECONDS RUNNING     397969.718418        5730

    077455     CLOCK REQUEST @ VUPDATED                    T1=00367      SECONDS RUNNING     397969.837018        5610

DISPLAYS =     64    06    64          +71X39  -00286  +00532                                                 397970.000010

    050734     PROGRAM LUMINARY COMPLETED                  T1=00410      SECONDS RUNNING     397970.000010        1701

SNAPSHOT    397970            SECONDS RUNNING     397970.000010
```

E X I T C U M P

COUNT OF DOWNRUPTS LOST = 0000000000 0
LAST LOSS AT TIME = NONE

LAST INTERUPT AT LOCATION = 04040 TIME = 397969.987403

TOTAL AGC TIME = 836.580010 32% IN AOVAN 17% IN INTERRUPT

DRUM READS TO FETCH F-BANKS = 000002596

INTERRUPT INHIBIT FLOP:NOT ALLOWED
MODE:NOT INTERRUPTED

BLK2 SPECIAL AND CENTRAL REGISTERS

	A	L	Q	EBANK	FBANK	Z	BBANK	ZERO
0000	00002	27624	00003	03000	40000	02735	40006	00000
	ARUPT	LRUPT	QRUPT			ZRUPT	BBRUPT	BRUPT
0010	12003	00000	03517	04572	35212	20156	66007	20156
	CYR	SR	CYL	EDOP	TIME2	TIME1	TIME3	TIME4
0020	00000	00000	15061	00000	04575	00410	37776	37773

ERASABLE MEMORY DUMP

		0	1	2	3	4	5	6	7
0030	E0,1430	37773	37777	77323	04560	77742	12345	12345	00205
0040	1440	77776	77702	12345	12345	12345	00000	30202	77777
0050	1450	77777	77777	77777	77777	77777	77777	12345	12345
0060	1460	00565	00000	04063	02467	00150	00144	77230	00000
0070	1470	00002	00002	03272	36000	04210	60000	02004	12000
0100	1500	10000	40320	00242	02060	56000	00404	00000	02660
0110	1510	00142	01516	12345	12345	03307	40000	02027	66403
0120	1520	00401	00000	17777	37774	00000	00000	00000	00000
0130	1530	32373	30300	00000	02403	66000	24402	77776	77773
0140	1540	77776	00000	77777	00000	00004	03660	64110	60500
0150	1550	03666	03473	03534	10354	04302	05243	03155	00000
0160	1560	00144	01150	01150	00000	02632	66007	00401	20401
0170	1570	01160	00000	77725	00100	23400	77725	11254	20000
0200	1600	67574	00067	00110	45667	77776	03351	77777	00000
0210	1610	00071	01400	11254	20000	00000	66067	00110	77777
0220	1620	01700	00000	00043	00100	23400	00043	11254	20000
0230	1630	00002	00063	00401	77777	77776	03351	77777	00000
0240	1640	00071	01400	03272	20000	00000	66067	00110	77777
0250	1650	77776	03351	77777	00000	00071	01400	42424	30000
0260	1660	00000	66067	00110	77777	32131	12700	00000	00001
0270	1670	40410	00000	42424	30000	00001	00100	00605	77777
0300	1700	12345	12345	12345	12345	12345	12345	12345	12345
0310	1710	12345	12345	12345	77777	12345	12345	12345	12345
0320	1720	00000	77215	04535	77725	00602	71371	77775	14661
0330	1730	77475	64011	77777	00004	02315	03515	75703	32225

0340	1740		77775	04575	00001	00000	04575	00104	00000	77715
0350	1750		04575	00300	00000	01506	12345	12345	04554	77703
0360	1760		77324	12345	12345	12345	04575	00300	20060	12345
0370	1770		14504	01500	12345	66342	63465	00000	00000	00000
0400	E1,1400		00000	03237	17030	17623	21064	75527	42603	00001
0410	1410		45114	77723	23264	00012	33560	00343	75673	00004
0420	1420		11221	00063	67323	77777	43501	00024	11675	77776
0430	1430		46636	11233	77777	34424	00000	33534	66741	32657
0440	1440		73435	74420	60765	00000	01150	07777	37776	77771
0450	1450		77775	37777	37622	67306	00454	77713	77616	00014
0460	1460		02710	77775	75600	00546	26201	03316	16457	02333
0470	1470		17343	04571	14577	77457	77074	00060	13436	77756
0500	1500		27004	02632	31005	15471	32272	11555	35615	16471
0510	1510		01352	77623	65454	00107	32025	60036	57255	00437
0520	1520		21230	00466	20466	77765	00002	77776	51704	67756
0530	1530		00530	15566	11364	00062	02164	67623	42613	77722
0540	1540		40401	17777	27600	00024	25074	10154	35016	00006
0550	1550		73743	15566	13306	00012	23424	00000	00373	00021
0560	1560		21226	12345	12345	36101	12345	35522	12345	35145
0570	1570		12345	12345	12345	10000	06065	20000	06064	77743
0600	1600		12345	12345	12345	61247	00604	12345	12345	12345
0610	1610	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
0660	1660	<<---- UNTIL	00660	12345	12345	12345	12345	12345	12345	12345
0670	1670		12345	12345	12345	12345	12345	12345	12345	12345
0700	1700		12345	12345	12345	12345	05105	02613	26063	04631
0710	1710		12345	12345	12345	12345	12345	12345	12345	12345
0720	1720		12345	12345	12345	12345	12345	12345	12345	12345
0730	1730		12345	12345	12345	12345	12345	07035	00000	77774
0740	1740		77777	77044	57777	16271	00000	17777	20000	17762
0750	1750		20000	77777	00000	77756	00021	77777	00000	77777
0760	1760		00000	76174	01603	77777	00000	04516	00000	77775
0770	1770		00000	77320	00000	00006	00077	00006	77754	00000
1000	E2,1400		00006	00100	00000	04415	67075	00000	77776	77444
1010	1410		00100	00000	00000	00000	00000	00000	24105	00000
1020	1420		40000	00000	05571	07277	05625	07475	05265	05577
1030	1430		06140	04023	05617	05274	05617	00000	00000	00000
1040	1440		77771	00000	00000	00000	00014	12345	12345	12345
1050	1450		12345	12345	63177	12345	77371	00004	55321	20000
1060	1460		55321	77777	77477	20000	55320	12345	77377	12345
1070	1470		50630	23400	77725	00000	31000	37750	35545	00004
1100	1500		00000	00202	12345	12345	04575	00420	12345	12345
1110	1510		00003	12345	00010	12345	04571	14577	12345	12345
1120	1520		12345	12345	12345	12345	12345	00000	34722	77777
1130	1530		75522	00000	04375	00047	00520	77772	67203	00004
1140	1540		21512	12345	12345	12345	12345	12345	03453	02003
1150	1550		04570	34711	77777	16703	77324	04554	77703	00000
1160	1560		00000	00000	02470	74137	12345	12345	12345	12345
1170	1570	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
1210	1610	<<---- UNTIL	12345	12345	12345	12345	12345	12345	12345	77721
1220	1620		53654	00030	04210	00007	03252	00036	22052	00034
1230	1630		57551	00035	27762	04575	00300	77775	75301	00000
1240	1640		00003	00000	00011	04012	62015	00657	00001	40307
1250	1650		00044	02410	62067	77171	00006	00301	00001	00000
1260	1660		00000	00000	14010	02213	34106	03756	12000	51032
1270	1670		00033	77776	37635	00000	00000	77777	77777	37020

1300	1700	36200	00000	00000	67574	00000	02003	13000	00000
1310	1710	00002	00000	12345	12345	12345	12345	12345	12345
1320	1720	12345	00004	00004	00000	00000	00000	04012	12345
1330	1730	12345	12345	00006	30224	27766	30202	01506	54167
1340	1740	21112	04571	22456	00155	12345	12345	00001	12140
1350	1750	03363	00000	00000	00000	12345	12345	12345	12345
1360	1760	00000	03357	00000	12345	12345	00000	12345	12345
1370	1770	12345	12345	12345	12345	12345	12345	12345	12345
1400	E3,1400	77776	77755	77627	60715	57777	57777	57777	57777
1410	1410	02467	42067	03632	70064	02006	42067	03437	76067
1420	1420	05240	04063	05240	04063	05240	04063	05240	04063
1430	1430	05240	04063	12345	12345	05261	02003	12345	12345
1440	1440	03434	26063	02231	62067	02425	74067	02552	66067
1450	1450	12345	12345	05503	10142	72274	67635	01217	37746
1460	1460	02371	75406	12737	00606	01212	13126	00606	13126
1470	1470	77171	77777	42177	00000	70377	00000	34000	00001
1500	1500	77747	00000	77457	77074	00060	13436	77766	27004
1510	1510	02632	31005	15471	32272	11555	35615	04571	14577
1520	1520	00000	00000	00000	00000	00000	00000	00000	00000
1530	1530	00000	00000	00000	00000	77457	77074	00060	13436
1540	1540	77766	27004	02632	31005	15471	32272	11555	35615
1550	1550	00000	00000	00000	00000	77444	71213	77762	71032
1560	1560	77714	42121	75156	46676	15432	03142	10446	37341
1570	1570	04567	35076	00000	00000	00000	00000	00000	00000
1600	1600	00000	00000	00000	00000	00000	00000	77444	71213
1610	1610	77762	71032	77714	42121	75156	46676	15432	03142
1620	1620	10446	37341	00000	00000	00000	00000	77455	52370
1630	1630	00006	34631	77733	51132	76760	40164	16074	37560
1640	1640	11233	01622	04567	35076	00000	00000	00000	00000
1650	1650	00000	00000	00000	00000	00000	00000	00000	00000
1660	1660	77455	52370	00006	34631	77733	51132	76760	40164
1670	1670	16074	37560	11233	01622	00000	00000	00000	00000
1700	1700	00000	00000	00000	00000	00000	00000	00004	14616
1710	1710	13640	30624	01636	77777	53172	00000	26056	03401
1720	1720	74113	77777	60646	00241	27653	77474	73633	77777
1730	1730	04401	04041	51063	61727	44515	07224	15111	02114
1740	1740	05521	75335	52567	67133	72536	15063	02137	07116
1750	1750	13606	13135	22331	10735	04652	12345	12345	12345
1760	1760	12345	12345	12345	12345	12345	12345	12345	12345
1770	1770	01351	24734	02354	04750	00410	00165	12345	12345
2000	E4,1400	05750	00763	17270	17270	00023	00001	02764	00372
2010	1410	00103	00103	77773	57774	77770	43171	77773	63525
2020	1420	03671	21200	00302	04721	77653	71666	77765	43723
2030	1430	00002	60332	70511	03475	22237	77302	63272	60332
2040	1440	70511	03475	22237	77302	63272	00471	06765	77746
2050	1450	65515	00060	26275	01014	01737	77711	14551	00111
2060	1460	12113	01511	10235	77404	62204	00001	63304	00325
2070	1470	27420	00325	27420	00001	17501	00000	00000	01372
2100	1500	01000	12345	27606	12345	12345	12345	12345	12345
2110	1510	12345	12345	22524	12345	12345	12345	12345	12345
2120	1520	12345	12345	12345	12345	12345	12345	12345	00115
2130	1530	01765	12345	12345	12345	12345	12345	12345	12345
2140	1540	12345	12345	12345	12345	12345	16243	21534	77641
2150	1550	77777	70671	47107	77601	30110	17764	20564	77062
2160	1560	53243	07106	16630	00724	37052	16227	73367	12345

2170	1570		12345	12345	12345	12345	12345	12345	00000	00000
2200	1600		12345	12345	12345	12345	12345	12345	12345	12345
2210	1610	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
2230	1630	<<---- UNTIL	00000	00000	01530	02660	17723	04514	77777	77777
2240	1640		17723	04514	76247	75117	20000	77777	77777	77777
2250	1650		77777	77777	04575	00104	77320	04516	77775	00223
2260	1660		77773	77665	00071	30035	77774	06643	00000	26110
2270	1670		00016	15342	61000	71211	77325	73707	72352	71435
2300	1700		12345	12345	12345	12345	12345	12345	12345	12345
2310	1710		12345	12345	12345	12345	12345	12345	77776	45107
2320	1720		00000	00010	77777	72540	77775	42063	00067	04113
2330	1730		00016	31727	03237	06501	77320	04516	77775	04575
2340	1740		00104	12345	12345	12345	77772	23207	77732	12345
2350	1750	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
2400	E5,1400	<<---- UNTIL	04576	05207	77777	41001	00000	00000	77773	74320
2410	1410		77766	62640	00000	00000	77774	64173	77774	64147
2420	1420		00000	00000	77664	45446	77770	55426	77071	41354
2430	1430		77544	53646	37777	12345	01015	00001	00000	00624
2440	1440		00000	00000	77777	77635	77777	77400	00000	00000
2450	1450		00000	00372	00002	14522	00000	00000	77774	71233
2460	1460		00000	01062	77754	67646	00612	30716	00000	12345
2470	1470		00113	06231	00416	26714	77731	44630	77127	55622
2500	1500		76607	61356	72634	51602	72775	57777	04114	04453
2510	1510		77777	73242	00000	00000	00000	00000	01750	00000
2520	1520		00000	01717	01042	04211	01042	00000	01414	00116
2530	1530		11463	11463	11463	06315	06315	06315	03146	14370
2540	1540		11300	00000	15164	01420	00001	27631	00013	06551
2550	1550		07007	10721	73311	47334	07141	12264	73473	41017
2560	1560		00546	05411	03325	16761	00016	32446	00007	23346
2570	1570		00000	00000	06733	07535	17777	37760	77777	64147
2600	1600		00004	01722	00000	23611	17760	15712	77007	47415
2610	1610		77773	77041	00770	30364	17760	15672	00001	14200
2620	1620		77774	52343	77777	77550	77764	76102	77777	10672
2630	1630		77777	77753	77776	64511	00000	00000	00000	00000
2640	1640		00000	00000	00047	61266	77777	77777	60175	72323
2650	1650		00410	05714	75202	52523	12345	12345	12345	12345
2660	1660	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
2710	1710	<<---- UNTIL	12345	27201	12345	12345	12345	12345	12345	12345
2720	1720	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
2740	1740	<<---- UNTIL	12345	12345	12345	12345	12345	12345	65216	12345
2750	1750	LINE REPEATED	12345	12345	12345	12345	12345	12345	12345	12345
2770	1770	<<---- UNTIL	12345	12345	12345	12345	12345	12345	77765	00002
3000	E6,1400		02357	05556	04431	77001	00012	00074	77001	00000
3010	1410		00074	00200	02162	00163	77610	37747	01654	76122
3020	1420		37750	00014	00074	00226	77772	00003	00322	03220
3030	1430		77371	77206	00413	00017	00010	00004	00000	40217
3040	1440		77323	04560	77741	57777	32321	77777	51653	54352
3050	1450		00002	74540	77772	70026	12345	12345	12345	77777
3060	1460		00000	00000	12345	12345	00122	00000	37777	00000
3070	1470		37777	00000	00000	00000	00000	76777	77445	02720
3100	1500		00000	00001	00001	00001	03104	00000	02556	05163
3110	1510		72653	04416	73411	01312	01403	12247	10770	10231
3120	1520		11470	00002	00002	00002	00000	00000	00000	22026
3130	1530		01404	01337	01175	00740	00740	00004	00004	77772
3140	1540		50537	00003	53355	77760	77756	77776	00000	00000

3150	1550	00000	12500	12500	37777	37777	00443	00000	75263	
3160	1560	75263	00155	00155	00620	00620	00000	00000	20452	
3170	1570	21517	10326	10537	37777	37777	72256	71555	76176	
3200	1600	76111	00155	00155	00620	00620	00000	00000	20410	
3210	1610	21566	10315	10551	37777	37777	72301	71526	76201	
3220	1620	76105	00155	00155	00620	00620	00000	00000	53054	
3230	1630	30105	00000	00001	00002	00001	77201	04555	77750	
3240	1640	00000	00001	00000	00032	77717	77733	03400	63436	
3250	1650	00000	00400	00000	00061	11236	77777	63054	77747	
3260	1660	62405	77624	64227	00040	10304	01013	03514	20000	
3270	1670	00000	00010	00000	00004	00000	77762	00032	00023	
3300	1700	77773	00000	00000	00046	23267	77773	32744	77777	
3310	1710	77724	00002	16772	07777	34645	77743	62066	01570	
3320	1720	07664	77742	26502	70141	62207	00000	76112	01330	
3330	1730	05427	77775	56261	04570	32545	16706	77650	00053	
3340	1740	14400	00152	00000	00004	00002	02743	00000	00000	
3350	1750	00000	77775	77767	03273	00000	12003	00000	40000	
3360	1760	00001	77671	77753	77771	00006	00001	00000	00000	
3370	1770	00000	00000	12345	12345	12345	12345	12345	12345	
3400	E7,1400	00001	03120	00001	03120	65252	00000	12525	25252	
3410	1410	40000	52525	10000	10000	10000	10000	10000	10000	
3420	1420	35610	13146	05050	01407	00226	76240	77743	01407	
3430	1430	57777	00000	17500	12345	12345	12345	12345	12345	
3440	1440	12345	04571	22456	00002	00000	00000	00000	12345	
3450	1450	12345	12345	12345	77776	37635	02100	12345	04554	
3460	1460	77703	77324	12345	00067	00255	02544	03207	02571	
3470	1470	22466	00062	27654	77765	63450	77777	60077	04300	
3500	1500	16703	12345	12345	12345	12345	12345	12345	04430	
3510	1510	20562	04572	62454	00026	02211	00001	12345	12345	
3520	1520	03240	57027	77777	73060	77776	22056	77764	23754	
3530	1530	00004	11361	00062	57430	77777	10327	17777	37774	
3540	1540	77777	50232	77775	74623	77721	53654	00030	04210	
3550	1550	00007	03252	00036	22052	00034	57551	00035	27752	
3560	1560	04575	00300	77775	75301	00000	00003	00000	00011	
3570	1570	04012	62015	03240	57027	77777	73060	77776	22056	
3600	1600	77764	23754	00004	11361	00062	57430	77777	03433	
3610	1610	77757	61425	77752	60520	77752	02544	12345	00206	
3620	1620	02544	00001	12345	00046	04574	37770	77776	63414	
3630	1630	77777	75020	00007	06772	03237	06476	77777	75435	
3640	1640	00000	32704	76007	10525	12345	12345	00045	00000	
3650	1650	03646	00001	00000	77715	00000	01506	77764	23754	
3660	1660	00004	11361	00062	57430	00000	00146	00107	00047	
3670	1670	00032	00000	00065	00000	00000	00000	77774	00371	
3700	1700	77774	00371	00000	00000	00012	00332	77727	00021	
3710	1710	00303	77714	00000	00565	02161	00416	00000	00002	
3720	1720	06137	17777	37773	77777	64270	00002	03153	00000	
3730	1730	13476	17777	37773	77777	00130	77771	73653	00026	
3740	1740	32170	00000	00571	17777	77777	77775	00000	12345	
3750	1750	12345	12345	12345	12345	04575	00300	12345	12345	
3760	1760	12345	12345	12345	12345	20000	00000	00000	00000	
3770	1770	00000	00000	72751	54764	77777	10327	60641	67574	

CHANNEL DUMP

	CH 3	CH 4	CH 5	CH 6	CH 7

12610	27060	00000	00000	00050	

CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17
00000	10402	05243	04116	00044	00000	00000	VACANT

CH 20	CH 21	CH 22	CH 23	CH 24	CH 25	CH 26	CH 27
VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT	VACANT

CH 30	CH 31	CH 32	CH 33	CH 34	CH 35
36311	57777	77777	77057	00000	00000

MAIN PROGRAM REENTERED AT ENTRY #2

EDIT I. DYNAMIC VEHICLE PERFORMANCE EXTREMES

ENV. TIME	EXTREME VALUE	DATA DESCRIPTION	UNITS
397827.14	- 1.29	MIDDLE GIMBAL ANGLE MINIMUM	DEGREES
397930.99	2.80	MIDDLE GIMBAL ANGLE MAXIMUM	DEGREES
397897.68	11.17	ANGULAR RATE MAXIMUM	DEGREES/SEC

RCS JET #	TIME ON	# FIRINGS	FUEL USED
1	4.09	21	1.51
2	4.69	36	1.75
3	0.07	4	0.03
4	0.55	4	0.20
5	5.04	41	1.88
6	12.36	32	4.52
7	0.12	4	0.05
8	0.65	3	0.24
9	4.69	36	1.75
10	4.10	22	1.51
11	0.07	4	0.03
12	0.55	4	0.20
13	4.43	34	1.65
14	13.04	42	4.78
15	0.12	4	0.05
16	0.65	3	0.24

RCS TANKS : TOTAL PROPELLANT REMAINING = 571.93 LBS ; TOTAL PROPELLANT USED = 20.45 LBS
APS TANKS : TOTAL PROPELLANT REMAINING = 5187.04 LBS ; TOTAL PROPELLANT USED = 0.00 LBS
OPS TANKS : TOTAL PROPELLANT REMAINING = 2599.69 LBS ; TOTAL PROPELLANT USED = 15616.61 LBS

EDIT II. OUT OF TOLERANCE PERFORMANCE, AND IGNORED AGC OUTPUT

ENV. TIME	PAGE #	MESSAGE REPRINT
397133.42	22	RADAR CONFUSED BY ASTRONAUT CALL AT T = . .
397574.95	73	RADAR CONFUSED BY ASTRONAUT CALL AT T = . .

EDIT III. MAJOR ENVIRONMENT DISCONTINUITIES

ENV. TIME	PAGE #	MESSAGE REPRINT
397133.41	18	IMU CDU NOISE SIGMA SET TO . PULSES
397133.41	18	IMU FAST SWITCH SET TO 1.
397134.44	22	IMU CDU ZERO BIT HAS GONE ON.
397134.77	22	IMU CDU ZERO BIT HAS GONE OFF.
397198.67	26	LEM: LGC IS NOW IN CONTROL OF SPACECRAFT
397198.95	26	IMU ERROR COUNTER ENABLE BIT HAS GONE ON.
397409.39	39	LEM: DESCENT ENGINE THRUST HAS BEEN TURNED . (0=OFF,1=ON)
397685.42	96	RANGE DATA GOOD BIT CHANGED TO AT T = .
397687.28	97	FOOT OF BEAM CROSSED MAP BOUNDARY- (1=TO MAP, 0= OFF)
397835.42	132	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
397893.62	19	L/R ANTENNA POSITION CHANGE INITIATED AT T = .
397893.62	19	RANGE DATA GOOD BIT CHANGED TO AT T = .
397893.62	19	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
397905.28	21	L/R ANTENNA POSITION CHANGE COMPLETED AT T = .
397911.28	22	VELOCITY DATA GOOD BIT CHANGED TO AT T = .
397911.28	22	RANGE DATA GOOD BIT CHANGED TO AT T = .

RADEFFCY RETURNED REQUEST DENIED FLAG. BRING OUTPUT TO DIGITAL SIMULATION GROUP.

EDIT IV. EVALUATION OF EFFICIENCY OF USE OF IBM 360, THE AGC SIMULATOR, AND THE ENVIRONMENT.
(INTERPRETATION GUIDELINES WILL BE PUBLISHED WHEN THEY BECOME AVAILABLE.)

AGCT/CPUT 0.26 AGCT 87 CPUT 329 AVG DT 0.046 PBLKS/AGCT 71.91 DBLKS/ 3.13 FRNKS/ 29.82

CFDUMPS & ENVSUMS 2.022 0.004 FOR EACH UPDATE REASON: FREQUENCY (UPDATES/AGCT), AVG DT (AGC SEC)

READ IMU CDUS	15.717	0.051	READ PIPAS	0.758	0.062	READ CDUS (S & T)	0.000	0.000
OUTBIT CHANGES	0.022	0.085	PULSE TRAINS	0.000	0.000	DSKY FLASHING	0.011	0.056
ENV RETURN REQUEST	0.574	0.021	ALL OTHER	2.470	0.047	FORMAT 4		

END OF ENVCNTRL RUN TERMINATION EDITING.

```
                MAC POST MORTEM ANALYSIS

        TERMINATION CONDITION: NORMAL

        CONTROLLING MAC PROGRAM AT TERMINATION WAS COMMON.ENVCNTRL

                                    BLOCK #    2

                                BLOCK ADDRESS  132 (HEXADECIMAL)  306 (DECIMAL)

        CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

                                    EMPTY

        CURRENT FILE INDEX SETTINGS:

           DATAFILE READ    299762
           DATAFILE WRITE        0
           CALLFILE READ         0
           CALLFILE WRITE        0

    RUN TIME WAS   338.91 SECONDS. THERE WERE    6265 PBLK LOADS,     409 DBLK LOADS,    2596 FBANK LOADS
```

```
*       CCLLECT NEWPLOT

*       USE OLD FILE

*       GO
```

MAC COLLECT TIME LOADING MAP

COLLECTING FOR SUBPROGRAM MACPROG.COMMON.NEWPLOT

MAC SUBPROGRAMS COLLECTED:

#	NAME	ENTRIES	LVA ORIGIN	DATE	TIME	VOLUME
1	COMMON.NEWPLOT	BEGINPLT LIST LABELS DFDUMP UNITS	08FF38+868	11/13/69	12:33	MCP001
2	COMMON.NAROFLD	1	091138+020	08/31/67	19:02	MCP001
3	COMMON.PLOTXSZ	START	091160+038	01/22/69	14:45	MCP001
4	COMMON.PLOTHEAD	BX00 BX001	0911A0+050	12/10/69	20:17	MCP001
5	COMMON.FILEPLOT	START ENDPLOT	091038+098	06/07/68	10:04	MCP001
6	COMMON.CNTRPLOT	BEGIN	092590+220	09/09/68	20:04	MCP002
7	COMMON.LETRPLOT	DLDLETR PLDT LETR LABL	092848+410	03/19/69	10:19	MCP001

NONMAC PROGRAMS COLLECTED:

#	NAME	SIZE	
1	HDGPLOT	1144	
2	NARDFLOA	2968	RESIDENT
3	FPLOT	11016	RESIDENT

COMMON AREA ALLOCATION:

#	NAME	BASE ADDR
1	COMMBLK	095F30
2	#TEMPAC	096728
3	CALLFILE	097728

TOTAL NUMBER OF PBLKS COLLECTED: 57

```
DATA FILE ACTIVATED, SIZE IS LARGE
DATA FILE OF PREVIOUS RUN STEP BEING USED

  57 MAC PROGRAM BLOCKS WERE LOADED.

 SPACE WAS ALLOCATED FOR  33 DATA BLOCKS.

 THE CURRENT REGION SIZE IS 392K.

TOTAL SPACE RELEASED FOR NONMAC PROGRAMS:  23320  (DECIMAL)

TIME ALLOWED FOR THIS RUN STEP IS   6427.57 SECONDS
```

FILE DUMP REQUESTED FROM WORD 500 THRU 800

500	1.10000000000	04	1.00000000000	03	0.0		0.0		0.0		
505	0.0		0.0		0.0		0.0		0.0		
510	7.00000000000	00	3.97133000000	05	6.00000000000	02	2.00000000000	00	0.0		
515	0.0		0.0		0.0		0.0		0.0		
520	1.30000000000	01	3.97133000000	05	6.00000000000	02	1.00000000000	00	0.0		
525	0.0		0.0		0.0		0.0		0.0		
ABOVE LINE REPEATED UNTIL											
750	3.97882961501	05	0.0		0.0		0.0		0.0		
755	0.0		0.0		0.0		0.0		0.0		
ABOVE LINE REPEATED UNTIL											
800	9.99999999900	09	1.02932503890	00	3.01100000000	03	1.35000353233	01	1.00000000000	03	

END OF DUMP

PLOT GENERATED BY NEWPLOT: FORMAT = 13.0, SEGMENT 1

X,Y MIN		X,Y MAX		X,Y INCH		X,Y DT		X,Y LABEL		X,Y LINE	
3.97882961501	05	3.98132961501	05	5.00000000000	00	2.00000000000	01	4.00000000000	01	0.0	
0.0		2.00000000000	01	6.00000000000	00	2.00000000000	00	4.00000000000	00	1.47038498267	02
0.0		2.00000000000	01	6.00000000000	00	2.00000000000	00	4.00000000000	00	1.47038498267	02
0.0		2.00000000000	01	6.00000000000	00	2.00000000000	00	4.00000000000	00	1.47038498267	02
0.0		2.00000000000	01	6.00000000000	00	2.00000000000	00	4.00000000000	00	1.47038498267	02

PLOTFLAG		TOFFSET		XSCALE		YSCALE			
1.00000000000	00	1.50000000000	02	6.00000000000	02	0.0	0.0	0.0
0.0		0.0		0.0				

PLOT GENERATED BY NEWPLOT: FORMAT = 7.0, SEGMENT 1

X,Y MIN		X,Y MAX		X,Y INCH		X,Y DT		X,Y LABEL		X,Y LINE	
3.97882961501	05	3.98132961501	05	5.00000000000	00	2.00000000000	01	4.00000000000	01	0.0	
0.0		4.00000000000	05	4.50000000000	00	5.00000000000	04	1.50000000000	05	1.47038498267	02
0.0		4.00000000000	05	4.50000000000	00	5.00000000000	04	1.50000000000	05	1.47038498267	02
0.0		4.00000000000	05	4.50000000000	00	5.00000000000	04	1.50000000000	05	1.47038498267	02
0.0		4.00000000000	05	4.50000000000	00	5.00000000000	04	1.50000000000	05	1.47038498267	02

PLOTFLAG		TOFFSET		XSCALE		YSCALE		
1.00000000000	00	1.50000000000	02	6.00000000000	02	0.0	0.0	0.0
0.0		0.0		0.0				

******* FILEPLOT HAS CREATED DATA SET SYSPLOT.7365.A122166.C070080.0431271

******* PHYSICAL DATA: FRAMES= 3, JOB LENGTH= 33", MAX FRAME= 9", AVG FRAME= 7"

***PLOTTING TERMINATED VIA CALL FILEPLOT(ENDPLOT)

```
                    MAC POST MORTEM ANALYSIS

          TERMINATION CONDITION: NORMAL

          CONTROLLING MAC PROGRAM AT TERMINATION WAS COMMON.NEWPLOT

                                   BLOCK #   11

                              BLOCK ADDRESS  884 (HEXADECIMAL) 2948 (DECIMAL)

          CONTENTS OF SUBROUTINE RETURN PUSHDOWN LIST (STARTING WITH THE NEWEST ENTRY):

                                   EMPTY

          CURRENT FILE INDEX SETTINGS:

             DATAFILE READ       510
             DATAFILE WRITE       18
             CALLFILE READ         0
             CALLFILE WRITE        0

     RUN TIME WAS    18.61 SECONDS. THERE WERE       0 PBLK LOADS,      73 DBLK LOADS

END OF MAC OBJECT TIME JOB STEP
```

```
IEF285I   SYS1.MACPAC                                        KEPT
IEF285I   VOL SER NOS= SYSLI8.
IEF285I   SYS1.MACEXT                                        KEPT
IEF285I   VOL SER NOS= SYSLI8.
IEF285I   SYS70C8C.T012141.SV000.A122166.R0000238            SYSCUT
IEF285I   VOL SER NOS= SYSI01.
IEF285I   SYS7CC80.T012141.SV000.A122166.R0000239            SYSOUT
IEF285I   VOL SER NOS= SYSI01.
IEF285I   SYS1.SIMADF                                        KEPT
IEF285I   VOL SER NOS= SYS16H.
IEF285I   SYS1.SIMAOF1                                       KEPT
IEF285I   VCL SER NCS= STOR03.
IEF285I   SYS70080.T012141.RV000.A122166.R0000240            OELETFD
IEF285I   VCL SER NOS= WRKORM.
IEF285I   SYS1.MACEXT                                        KEPT
IEF285I   VOL SER NOS= SYSLI8.
IEF285I   AGCSIM.ADATA                                       KEPT
IEF285I   VCL SER NOS= STOR02.
IEF285I   MACPROG.COMMON.LETRPLOT                            KEPT
IEF285I   VOL SER NOS= MCP001.
IEF285I   MACPROG.COMMON.CNTRPLCT                            KEPT
IEF285I   VOL SER NOS= MCP002.
IEF285I   SYS70080.T012141.RV000.A122166.R0000243            KEPT
IEF285I   VOL SER NOS= MCP004.
IEF285I   SYS70080.T012141.RV0C0.A122166.RCCC0244            KEPT
IEF285I   VCL SER NCS= MCP005.
IEF285I   SYS7CC80.T012141.RV000.A122166.R0000245            KEPT
IEF285I   VCL SER NOS= MCP006.
IEF285I   SYS70C8C.T012141.RV000.A122166.R0000246            KEPT
IEF285I   VOL SER NOS= MCP006.
IEF284I   SYS70080.T043109.RV000.A122166.RSYSPLOT            NOT OELETEO 8
IEF284I   VOL SER NOS= SYSIO3 1.
IEF285I   SYSPLOT.CATLG                                      KEPT
IEF285I   VOL SER NOS= STOR03.
IEF285I   SYS70C80.T012141.RV000.A122166.R0000248            OELETEO
IEF285I   VOL SER NOS= WRKORM.
IFF285I   SYS70080.T012141.RV000.A122166.R0000249            DELETEO
IEF285I   VOL SER NOS= WRKORM.
IEF285I   SYS70080.T012141.RV000.A122166.R0CC0250            KEPT
IEF285I   VCL SFR NOS= AGC802.
IEF285I   SYS7CC8C.T012141.RV000.A122166.R0000251            OFLETED
IEF285I   VOL SER NOS= SYSIO3.
IEF285I   SYS70080.T012141.RV000.A122166.R0000252            DELETEO
IEF285I   VOL SER NOS= MLIPAK.
IEF285I   TAPCIR8                                            KEPT
IEF285I   VCL SER NOS= STOR01.
IEF285I   TAPOIR9                                            KEPT
IEF285I   VCL SER NOS= SYSLI8.
IEF285I   MARSROTA                                           KEPT
IEF285I   VOL SER NOS= MT0238.
IEF285I   MARSRCTA                                           KEPT
IEF285I   VOL SER NOS= MT0396.
IEF285I   RAOEFF                                             KEPT
IEF285I   VOL SER NCS= STOR02.
IEF285I   SYS70C80.T012141.RV000.A122166.R0000255            OELETED
IEF285I   VCL SER NOS= SYSIO3.
IFF285I   AGCSIM.STATDATA                                    KEPT
IEF285I   VOL SER NOS= STOR03.
IEF285I   SYS70080.T012141.RVC00.A122166.S0000256            SYSIN
IEF285I   VOL SER NOS= SYSIO3.
```

```
IEF285I   SYS70080.T012141.RV000.A122166.S0000256      DELETED
IEF285I   VOL SER NOS= SYSIC3.
IEF280I K OC3,MT0238,A122166,R
END STEP  1: A122166  R                SYSTEM CODE=000,USER CODE=0000          STEP TIME:  13.341 MIN   03/21/70 04:31:35

END JOB: A122166   0277                                EYLES.0            PRTY=07  JOB TIME:  13.341 MIN   03/21/70 04:31:35

BASED ON  DECEMBER, 1968   ACCOUNTING, THIS JOB COST     77.82 DOLLARS.

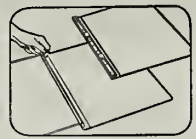
THIS ACCOUNT BUDGET:  TB=  6240.000 MIN,   TL=  2460.681 MIN,   TI=     0.000 MIN.
```

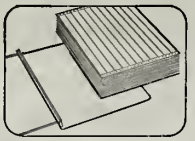
6"
7"
8½"

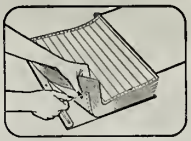
Standard

BOORUM & PEASE

PRESSBOARD NYLON POST BINDER **N32-14GU**





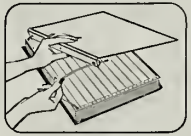


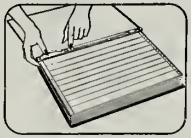
BURST FORMS

1 Take this back cover (with the printed instructions) and insert the posts through the two end holes. Put posts into the metal channels and thread firmly until set into position. The posts will be upright when channel is folded back against cover.

2 Jog sheets that are to be put into binder until they are evenly stacked.

3 Insert posts through 2nd hole from ends of sheets.





4 Place top cover in position by putting posts through the end holes in cover. Make sure you start the posts through the pressboard side, extending them into the metal channels, keeping the plastic slides in the center of the channel.

5 Bend the posts toward the center of channel and tuck them under the plastic slide lock. Push the slide locks towards the ends of the binder over the posts until tight.

UNBURST FORMS

6 Follow procedure above — except in Step 2 insert posts through the two (end) holes at each margin as shown.

TOP AND BOTTOM LOADING. This binder provides for top or bottom loading where desirable. This is accomplished by using nylon posts tapered at both ends. Both covers have channels to secure the posts as described in Step 4 above. These tapered posts and extra slide locks are available from your dealer. Ask him for N31A Assortment.

ALL PURPOSE BINDER. Designed for housing Marginal Punched Sheets, Unburst Stripped Sheets and conventional forms punched with 2¾", 4¼", 6", 7" and 8½" centers.

MADE IN U.S.A.